



No. 50



13 DECEMBER 2003

UNITED STATES OF AMERICA

# NOTICE TO MARINERS



Published Weekly by the  
National Geospatial-Intelligence Agency

Prepared Jointly with the  
National Ocean Service and U.S. Coast Guard

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Visit the Maritime Safety Information Division website at  
<http://pollux.nss.nga.mil/>



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## IMPORTANT INFORMATION

The Notice to Mariners is published by the National Geospatial-Intelligence Agency (NGA), under the authority of Department of Defense Directive 5105.40, to advise mariners of important matters affecting navigational safety, including new hydrographic discoveries, changes in channels and navigational aids, etc. (U.S. Code Title 10, Sec. 442 and Title 44, Sec. 1336 refer). Nothing in the arrangement of information implies endorsement or acceptance by NGA in matters affecting the status and boundaries of States and territories. The Notice to Mariners presents corrective information affecting charts, NGA Hydrographic Products Catalog, Coast Pilots, Sailing Directions, Fleet Guides, USCG Light Lists, NGA List of Lights, Radio Navigational Aids and other products produced by the National Geospatial-Intelligence Agency, National Ocean Service and U.S. Coast Guard.

Information for the Notice to Mariners is contributed by the following Agencies: National Geospatial-Intelligence Agency (NGA) (Department of Defense) for waters outside the territorial limits of the United States; National Ocean Service (NOS) (Department of Commerce), which is charged with the surveys and charting of the coasts and harbors of the United States and its territories; the U.S. Coast Guard (USCG) (Department of Homeland Security), which is responsible for the safety of life at sea and the establishment and operation of aids to navigation; and the U.S. Army Corps of Engineers (Department of Defense), which is charged with the improvement of rivers and harbors of the United States. In addition, important contributions are made by foreign hydrographic offices and cooperating observers of all nationalities.

For further information concerning NGA hydrographic products and services, including the Maritime Safety Information Website, users may contact:

<u>Name</u>	<u>Telephone</u>	<u>DSN</u>	<u>FAX</u>
Maritime Safety Information Division	301-227-5006	287-5006	301-227-5745
World-Wide Navigational Warning Service	301-227-3147	287-3147	301-227-3731
Fleet Liaison Officer	301-227-3120	287-3120	301-227-4211
Maritime Safety Information Website	301-227-3296	287-3296	301-227-4211
Notice to Mariners: Regions 1 and 2	301-227-3122	287-3122	301-227-3175
Notice to Mariners: Regions 3, 4, 5	301-227-3146	287-3146	301-227-3175
Notice to Mariners: Regions 6 thru 9	301-227-3146	287-3146	301-227-3175
Sailing Directions, Fleet Guides	301-227-3183	287-3183	301-227-3174
Navigation Science Publications	301-227-3120	287-3120	301-227-3731
Distribution Issues	301-227-7652	287-7652	301-227-4211

The Maritime Safety Information Website can be accessed directly at (<http://pollux.nss.nga.mil>). For your convenience NGA provides three e-mail addresses. For information affecting Notice to Mariners use [NavNotices@nima.mil](mailto:NavNotices@nima.mil), for information affecting Sailing Directions and all other navigational publications use [SDPUBS@nima.mil](mailto:SDPUBS@nima.mil), for information concerning the Maritime Safety Information Website, use [webmaster\\_nss@nima.mil](mailto:webmaster_nss@nima.mil).

Mariners are requested to notify NGA of discrepancies in charts and publications, using the Marine Information Report and Suggestion Sheet at the back of this Notice to Mariners. This form should also be used to report permanent changes, additions, or deletions from charted or published information. Reports which constitute an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. All reports are greatly appreciated. Marine Information Report and Suggestion sheets received during the past week were submitted by the following observers:

<b>Observer</b>	<b>Ship/Organization</b>
Josh Whitmore	USS PASADENA
Patrick Blakeley	USCGC RUSH

**Cover Photo:** The USNS GUADALUPE (T-AO 200) is one of the Military Sealift Command's fourteen underway replenishment oilers and part of the 36 ships in the Naval Fleet Auxiliary Force (NFAF). NFAF ships are the lifeline to U.S. Navy ships at sea. By providing food, fuel, ammunition, spare parts and other supplies these ships enable our naval combatants to operate worldwide at the highest operational level possible. For years, the GUADALUPE has played a vital role in the resupply of the Navy's Seventh Fleet ships operating in the Pacific. The GUADALUPE is 677 feet in length, has a beam of 97 feet, a draft of 35 feet and is crewed by civil service mariners. *Photo of USNS GUADALUPE courtesy of Military Sealift Command, Public Affairs Office.*

INFORMATION  
OF  
SPECIAL INTEREST  
OR  
IMPORTANCE  
TO  
MARINERS

**NM 50/03**

# HYDROGRAM

**National Geospatial-Intelligence Agency  
Bethesda, MD 20816-5003**

SPECIAL  
ANNOUNCEMENTS

NEW PRODUCTS  
OR SERVICES

IMPORTANT  
CHANGES

**13 December 2003**

## **NATIONAL IMAGERY AND MAPPING AGENCY (NIMA) BECOMES THE NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY (NGA)**

THE NATIONAL IMAGERY AND MAPPING AGENCY (NIMA) OFFICIALLY BECAME THE NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY (NGA) EFFECTIVE NOVEMBER 24, 2003. SEE SECTION III.

## EXPLANATION OF CONTENTS

The Notice to Mariners contains corrective information affecting nautical charts, the NGA Hydrographic Products Catalog, Coast Pilots, Sailing Directions, Fleet Guides, USCG Light Lists, NGA List of Lights, Radio Navigational Aids and other related nautical publications. The information contained in these corrections is important to safe navigation. It is the user's responsibility to decide which of their charts and publications require correction. Consult the U.S. Coast Guard Local Notice to Mariners for information pertaining to waterways within the United States that are not normally used by oceangoing vessels. Because of the sometimes transitory nature of aids to navigation, depths and port information, local area sources should be consulted whenever possible. This publication is not required to be maintained intact. Portions may be separated for correction or attachment to an affected product. The Notice to Mariners is divided into the following sections:

**Section I-1** contains corrections to nautical charts listed in numeric order by chart number. Each chart correction listed applies only to that particular chart. Related charts, if any, will have their own specific correction listed separately. Users should also refer to U.S. Chart 1 Nautical Chart Symbols, Abbreviations and Terms for additional information pertaining to the correcting of charts. The illustration below describes the elements that comprise a typical chart correction:



A chart correction preceded by:

★ indicates that it is based upon original U.S. source information.

T indicates that it is temporary in nature.

P indicates that it is preliminary, and that permanent corrective action will appear in a future Notice to Mariners.

The letter M immediately following the chart number indicates that the correction should be applied to the metric side of the chart only. The letter N is not a part of the chart number.

The letter N preceding the current Notice to Mariners number indicates that the affected chart is on Limited Distribution and is normally only for use by U.S. Navy, government-owned or -chartered vessels.

Courses and bearings are given in degrees true.

Light sectors are expressed in degrees true from the vessel TOWARD the light.

The visible range(s) listed for lights is normally the nominal range (the distance at which it can be seen in clear weather), expressed in nautical miles, except in the Great Lakes where it is expressed in statute miles.

The colors of structures and lights of navigational aids are abbreviated in accordance with Chart 1.

**Section I-2\*** contains all chartlets, depth tabulations and notes associated with the chart corrections in Section I-1. Chartlets and depth tabulations supersede all previous information portrayed.

**Section I-3** lists all NGA and NOS charts which have been affected by Notice to Mariners and the notice numbers which have affected them since the date of the oldest Summary of Corrections or the chart's announcement, whichever is later.

**Section II-1** is a weekly listing of corrections to the NGA Hydrographic Products Catalog, including new charts and publications. It also contains the latest price category information.

**Section II-2\*** contains corrections to navigation publications, including Sailing Directions, Coast Pilots, Fleet Guides, Radio Navigational Aids (Pub. 117), *The American Practical Navigator* and other related nautical publications.

**Section II-3\*** lists weekly updates to the USCG Light Lists.

**Section II-4\*** lists weekly updates to the NGA List of Lights.

**Section II-5** lists all NGA, NOS and USCG navigation publications which have been affected by Notice to Mariners and the notice numbers which have affected them since the date of the publication's announcement.

**Section III-1** lists the message number of all in-force Navigational Warnings, and the text of those warnings promulgated during the previous week. Notice to Mariners Nos. 13, 26 and 39 list a summary of all in-force Navigational Warnings for the preceding quarter. Notice to Mariners No. 52 lists a complete summary of all in-force Navigational Warnings.

**Section III-2** contains miscellaneous information of particular interest to the maritime community.

\*The left-hand pages of these sections are intentionally blank.

**SECTION I  
CHART CORRECTIONS**

**NM 50/03**

<p><b>50</b> (INT 50) 6Ed. 6/03 LAST NM 40/03 50/03 Add Superbuoy ODAS [Q58] "46072" Y, FI(4) Y 20s 51°38'N 172°09'W</p> <p style="text-align: center;"><b>(Continuation)</b></p> <p>Add Superbuoy ODAS [Q58] "46072" Y, FI(4) Y 20s 51°38'N 172°09'W (NTM0022/2003)</p> <p><b>53</b> (INT 53) 2Ed. 8/6/94 LAST NM 34/03 50/03 Relocate Superbuoy ODAS "46072" from 52°02'N 172°05'W to 51°38'N 172°09'W (See 34/03-53) (NTM0022/2003)</p> <p><b>513</b> (INT 813) 6Ed. 2/23/91 LAST NM 34/03 50/03 Relocate Superbuoy ODAS "46072" from 52°02'N 172°05'W to 51°38'N 172°09'W (See 34/03-513) (NTM0022/2003)</p> <p><b>521</b> 11Ed. 7/18/81 LAST NM 34/03 50/03 Relocate Superbuoy ODAS "46072" from 52°02'N 172°05'W to 51°38'N 172°09'W (See 34/03-521) (NTM0022/2003)</p> <p><b>523</b> 8Ed. 7/6/96 LAST NM 34/03 50/03 Relocate Superbuoy ODAS "46072" from 52°02'N 172°05'W to 51°38'N 172°09'W (See 34/03-523) (NTM0022/2003)</p> <p><b>530</b> 30Ed. 3/23/02 LAST NM 44/03 50/03 Relocate Superbuoy ODAS "46072" from 52°02'N 172°05'W to 51°38'N 172°09'W (NTM0022/2003)</p> <p><b>532</b> 17Ed. 2/3/96 LAST NM 34/03 50/03 Relocate Superbuoy ODAS "46072" from 52°02'N 172°04'W to 51°38'N 172°09'W (NTM0022/2003)</p> <p><b>1115A</b> Ed. 10/02 LAST NM 50/03 50/03 Add Dangerous wreck [K28] (PA) 29°55.2'N 88°24.6'W  Submerged well [L20] (cov 60fms) marked by buoy W Or, Q (Priv) 29°16.0'N 88°22.8'W (35/03 CG8)</p> <p><b>1116A</b> Ed. 6/03 LAST NM 49/03 50/03 Substitute Platform [L10] for submerged well (cov 31fms) 28°20.9'N 91°38.5'W (See 37/03-1116A)  Add Platform [L10] 28°02.1'N 91°01.8'W  Submerged well [L20] (cov 36fms) marked by buoy W Or, FI 2.5s (Priv) 28°03.2'N 94°02.8'W (35/03 CG8)</p> <p><b>1117A</b> Ed. 4/03 LAST NM 45/03 50/03 Add Submerged well [L20] (cov 36fms) marked by buoy W Or, FI 2.5s (Priv) 28°03.2'N 94°02.8'W (35/03 CG8)</p> <p><b>11006</b> 31Ed. 9/03 LAST NM 49/03 50/03 Add Dangerous wreck [K28] (PA) 29°55.2'N 88°24.6'W (35/03 CG8)</p> <p><b>11013</b> 45Ed. 7/03 LAST NM 40/03 50/03 Change Light to FI 7s 410ft 15M 23°08'48"N 81°48'00"W (NOS)</p> <p><b>★11300</b> 39Ed. 4/03 LAST NM 45/03 50/03 Add Submerged well [L20] (cov 36fms) marked by buoy W Or, FI 2.5s (Priv) 28°03.2'N 94°02.8'W (35/03 CG8)</p>	<p><b>11309</b> 37Ed. 9/03 LAST NM 48/03 50/03 Add Ra Ref [S4] to range light, front 27°52'31.9"N 97°15'01.0"W (35/03 CG8)</p> <p><b>11318</b> 1Ed. 10/2/99 LAST NM N44/03 N50/03 Change Height of range light, front to 30ft 27°52'31.2"N 97°15'01.0"W (Supersedes N24/03-11318) (35/03 CG8)</p> <p><b>★11330</b> 15Ed. 10/03 NEW EDITION 50/03 Add Dashed-line circle "Obstn" (PA) 28°52.2'N 93°55.2'W (Previously published 46/03) (NOS)</p> <p><b>★11340</b> 68Ed. 6/03 LAST NM 49/03 50/03 Substitute Platform [L10] for submerged well (cov 31fms) 28°20.9'N 91°38.5'W (See 37/03-11340)  Add Platform [L10] 28°02.1'N 91°01.8'W  Submerged well [L20] (cov 36fms) marked by buoy W Or, FI 2.5s (Priv) 28°03.2'N 94°02.8'W (35/03 CG8)</p> <p><b>11343</b> 37Ed. 9/03 LAST NM 49/03 50/03 Relocate Light "5" from 30°00'54.6"N 93°45'24.4"W to 30°00'51.6"N 93°45'36.9"W (45/03 CG8)</p> <p><b>★11347</b> 33Ed. 7/02 LAST NM 48/03 50/03 (Side A) Delete Light (2 FG) 29°48'10.8"N 93°20'52.8"W Light (2 FR) 29°48'12.2"N 93°20'44.0"W (35/03 CG8)</p> <p><b>★11351</b> 38Ed. 3/03 LAST NM 48/03 50/03 Delete Platform 29°05'34"N 91°45'42"W (35/03 CG8)</p> <p><b>★11358</b> 52Ed. 6/03 LAST NM 49/03 50/03 Delete Platform 29°05'58"N 90°06'34"W  Add Platform [L10] 28°52'42"N 89°49'17"W (35/03 CG8)</p> <p><b>★11359</b> 11Ed. 3/2/02 LAST NM 49/02 50/03 Add Platform [L10] 28°52'42.0"N 89°49'16.7"W (35/03 CG8)</p> <p><b>11360</b> 40Ed. 10/02 LAST NM 49/03 50/03 Add Dangerous wreck [K28] (PA) 29°55.2'N 88°24.6'W  Submerged well [L20] (cov 60fms) marked by buoy W Or, Q (Priv) 29°16.0'N 88°22.8'W (35/03 CG8)</p> <p><b>11362</b> 4Ed. 6/10/00 LAST NM N49/03 N50/03 Add Dangerous wreck [K28] (PA) 29°55.2'N 88°24.6'W  Submerged well [L20] (cov 60fms) marked by buoy W Or, Q (Priv) 29°16.0'N 88°22.8'W (35/03 CG8)</p> <p><b>★11363</b> 39Ed. 9/03 LAST NM 47/03 50/03 Add Tabulation of controlling depths from Subsection I-2 (NOS)</p> <p><b>11364</b> 39Ed. 11/02 LAST NM 43/03 50/03 Add Tabulation of controlling depths from Subsection I-2 (NOS)</p>
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11365	17Ed. 10/02 LAST NM 34/03	50/03			
	<b>(Side B)</b>				
	Delete Platform	29°05'57.7"N 90°06'33.5"W	(43/03 CG7)	Range light, rear to Iso 6s 80ft (Day),	
	(35/03 CG8)			Iso 6s 82ft (Night)	30°24'22.3"N 81°26'58.9"W
★11366	7Ed. 9/02 LAST NM 49/03	50/03			
	Add Dangerous wreck [K28] (PA)	29°55.2'N 88°24.6'W			
	Submerged well [L20] (cov 60fms) marked by				
	buoy W Or, Q (Priv)	29°16.0'N 88°22.8'W			
	(35/03 CG8)				
11369	44Ed. 12/02 LAST NM 43/03	50/03			
	Add Tabulation of controlling depths from				
	Subsection I-2				
	(NOS)				
★11390	22Ed. 3/30/02 LAST NM 32/03	50/03			
	<b>(Side A)</b>				
	Add Ra Ref [S4] to light "3"	30°10'18.6"N 85°45'02.7"W			
	Ra Ref [S4] to light "4"	30°10'23.3"N 85°45'02.6"W			
	<b>(Side B)</b>				
	Change Visibility (range) of light "5" to 5M	30°12'43.0"N 85°44'00.3"W			
	(36/03 CG8)				
11391	22Ed. 5/5/01 LAST NM 32/03	50/03			
	Add Ra Ref [S4] to light "3"	30°10'18.6"N 85°45'02.7"W			
	Ra Ref [S4] to light "4"	30°10'23.3"N 85°45'02.6"W			
	(36/03 CG8)				
★11392	6Ed. 2/12/00 LAST NM 32/03	50/03			
	Add Ra Ref [S4] to light "3"	30°10'18.6"N 85°45'02.7"W			
	Ra Ref [S4] to light "4"	30°10'23.3"N 85°45'02.6"W			
	(36/03 CG8)				
★11416	5Ed. 8/02 LAST NM 20/03	50/03			
	Delete BELL from buoy "7G"	27°47'21"N 82°34'01"W			
	BELL from buoy "2K"	27°49'32"N 82°34'10"W			
	(41/03 CG7)				
★11478	20Ed. 5/03 LAST NM 32/03	50/03			
	Relocate Beacon "6" from 28°24'34.8"N	80°38'48.5"W			
	to 28°24'33.8"N	80°38'49.5"W			
	and delete legend "PA"				
	(43/03 CG7)				
11481	4Ed. 8/02 LAST NM 34/03	50/03			
	Relocate Beacon "6" from 28°24'35.0"N	80°38'49.5"W			
	to 28°24'33.8"N	80°38'49.5"W			
	(43/03 CG7)				
11488	24Ed. 5/26/01 LAST NM 17/03	50/03			
	Change Range light, front to Fl 2.5s 22ft (Day),				
	Fl 2.5s 19ft (Night)	30°24'14"N 81°25'40"W			
	Range light, rear to Iso 6s 80ft (Day),				
	Iso 6s 82ft (Night)	30°24'22"N 81°26'59"W			
	(43/03 CG7)				
11489	34Ed. 12/02 LAST NM 31/03	50/03			
	<b>(Side B)</b>				
	Change Range light, front to Fl 2.5s 22ft (Day),				
	Fl 2.5s 19ft (Night)	30°24'14"N 81°25'39"W			
	Range light, rear to Iso 6s 80ft (Day),				
	Iso 6s 82ft (Night)	30°24'22"N 81°26'59"W			
	(43/03 CG7)				
★11490	17Ed. 5/5/01 LAST NM 2/02	50/03			
	<b>(Lower Panel)</b>				
	Change Range light, front to Fl 2.5s 22ft (Day),				
	Fl 2.5s 19ft (Night)	30°24'14.1"N 81°25'39.6"W			
	Range light, rear to Iso 6s 80ft (Day),				
	Iso 6s 82ft (Night)	30°24'22.3"N 81°26'58.9"W			
	<b>(Upper Panel)</b>				
	Change Range light, front to Fl 2.5s 22ft (Day),				
	Fl 2.5s 19ft (Night)	30°24'14.1"N 81°25'39.6"W			
★11491	33Ed. 3/24/01 LAST NM 34/03	50/03			
	<b>(Side A)</b>				
	Substitute Depth 21 feet for 28 feet	30°23'30.3"N 81°33'11.7"W			
	Change Range light, front to Fl 2.5s 22ft (Day),				
	Fl 2.5s 19ft (Night)	30°24'14.1"N 81°25'39.6"W			
	Range light, rear to Iso 6s 80ft (Day),				
	Iso 6s 82ft (Night)	30°24'22.3"N 81°26'58.9"W			
	Legend to "27 FT JUL 2003"	30°24'16.5"N 81°32'48.2"W			
	Legend to "40 FT JUL 2003"	30°23'23.8"N 81°31'55.3"W			
	Add Tabulation of controlling depths from				
	Subsection I-2				
	<b>(Side B)</b>				
	Substitute Depth 35 feet for 45 feet	30°24'01.5"N 81°36'49.3"W			
	Add Tabulation of controlling depths from				
	Subsection I-2				
	(NOS; 43/03 CG7)				
11502	28Ed. 6/2/01 LAST NM 22/03	50/03			
	Delete Dashed line between	30°42'52"N 81°17'32"W			
		30°41'20"N 81°13'10"W			
	Dashed line joining	30°42'46"N 81°18'00"W			
		30°42'38"N 81°17'12"W			
		30°41'15"N 81°13'12"W			
	Add Dashed line between	30°42'46"N 81°18'00"W			
		30°42'47"N 81°17'32"W			
	(NOS)				
★11503	39Ed. 7/02 LAST NM 31/03	50/03			
	Delete Dashed line between	30°42'51.8"N 81°17'32.4"W			
		30°41'19.8"N 81°13'09.9"W			
	Dashed line joining	30°42'46.1"N 81°17'55.1"W			
		30°42'39.8"N 81°17'13.9"W			
		30°41'15.1"N 81°13'11.7"W			
	Add Dashed line between	30°42'46.1"N 81°17'55.1"W			
		30°42'46.7"N 81°17'32.4"W			
	(NOS)				
11513	23Ed. 12/23/00 LAST NM 24/03	50/03			
	Delete BELL from buoy "15"	32°10'12"N 80°35'40"W			
	(43/03 CG7)				
★11516	30Ed. 8/03 LAST NM 43/03	50/03			
	Delete BELL from buoy "15"	32°10'11"N 80°35'40"W			
	(43/03 CG7)				
11518	33Ed. 1/03 LAST NM 28/03	50/03			
	<b>(Side A)</b>				
	Change Characteristic of buoy "36" to Fl R 2.5s	32°47'17"N 79°54'55"W			
	(NOS)				
11520	41Ed. 7/03 LAST NM 39/03	50/03			
	Relocate Buoy "HI" from 35°10.5'N	75°43.7'W to			
		35°10.0'N 75°45.1'W			
	(41/03 CG5)				
11525	6Ed. 9/23/00 LAST NM N39/03	N50/03			
	Relocate Buoy "HI" from 35°10.6'N	75°43.8'W to			
		35°10.0'N 75°45.1'W			
	(41/03 CG5)				
★11532	20Ed. 2/2/02 LAST NM 43/03	50/03			
	Relocate Buoy "16" from 33°13'56"N	79°11'34"W to			
		33°13'56"N 79°11'35"W			
	and change characteristic to Fl R 2.5s				

(continued on next page)



**13236** (Continued)  
 Relocate Buoy "3" from 41°39'26.4"N 70°41'20.3"W to 41°39'07.0"N 70°41'27.5"W and change designation to "7"  
 Buoy "4" from 41°39'25.7"N 70°41'09.4"W to 41°39'05.6"N 70°41'17.2"W and change designation to "8"  
 Change Buoy "2" to "6" R, Fl R 2.5s (40/03 CG1) 41°37'54.0"N 70°41'43.3"W

**★13270** 60Ed. 9/03 NEW EDITION 50/03  
 Add Light QY 4M 42°18'06.9"N 70°54'59.4"W  
 Light QY 4M 42°18'05.8"N 70°54'56.9"W  
 (NOS) (Previously published 49/03)

**14354** 2Ed. 3/18/95 LAST NM 42/03 50/03  
 Add Light Fl G 4s to buoy "EC1" 47°48'15"N 54°00'41"W (10/4839)02 Ottawa)

**14355** 3Ed. 3/4/95 LAST NM 42/00 50/03  
 Add Light Fl G 4s to buoy "EC1" 47°48'15.0"N 54°00'40.5"W (10/4839)02 Ottawa)

**14756** Ed. 5/28/99 LAST NM N41/01 N50/03  
 Add (Lower Panel)  
 Legend "21" to light 44°59'16.5"N 74°46'28.1"W  
 Legend "23" to light 44°59'13.9"N 74°46'49.1"W  
 Legend "24" to light 44°59'14.4"N 74°47'10.2"W  
 Light "25" Fl G 2.5s 9m 44°59'08.4"N 74°47'09.3"W  
 Legend "26" to light 44°59'10.4"N 74°47'37.0"W  
 Legend "A" to light 44°59'05.1"N 74°47'44.3"W  
 Legend "B" to light 44°59'04.3"N 74°47'53.0"W  
 Legend "28" to light 44°59'05.7"N 74°48'31.1"W  
 Legend "29" to light 44°59'00.0"N 74°48'29.7"W  
 Light "30" Fl R 2.5s 9m 44°58'58.9"N 74°49'24.3"W  
 Light "31" Fl G 2.5s 9m 44°58'53.9"N 74°49'23.1"W  
 Legend "C" to light 44°58'52.9"N 74°49'31.7"W  
 Legend "34" to light 44°58'51.6"N 74°50'28.8"W  
 Legend "35" to light 44°58'45.6"N 74°50'48.9"W  
 Legend "37" to light 44°58'43.0"N 74°51'11.2"W  
 Legend "38" to light 44°58'43.9"N 74°51'35.2"W  
 Legend "D" to light 44°58'25.4"N 74°52'51.9"W  
 Light "41" Fl G 2.5s 9m 44°58'24.0"N 74°53'00.3"W  
 Light "42" Fl R 2.5s 9m 44°58'29.0"N 74°53'02.0"W  
 Legend "43" to light 44°58'16.1"N 74°53'44.4"W  
 Legend "44" to light 44°58'21.8"N 74°53'46.3"W  
 Light "45" Fl G 2.5s 9m 44°58'07.3"N 74°54'37.5"W  
 Light "46" Fl R 2.5s 9m 44°58'13.0"N 74°54'39.4"W  
 Legend "48" to light 44°58'02.0"N 74°55'45.2"W  
 Legend "51" to light 44°57'38.4"N 74°57'31.1"W  
 Light "54" Fl R 2.5s 9m 44°57'40.6"N 74°57'52.2"W  
 Light "55" Fl G 2.5s 9m 44°57'33.6"N 74°58'00.7"W  
 Legend "57" to light 44°57'12.1"N 74°59'42.4"W  
 Legend "58" to light 44°57'04.4"N 75°00'21.9"W

Add (Upper Panel)  
 Legend "2" to light 45°00'12.4"N 74°40'27.1"W  
 Legend "4" to light 45°00'03.1"N 74°41'01.2"W  
 Legend "10" to light 45°00'07.3"N 74°42'49.7"W  
 Light "11" Fl G 2.5s 9m 44°59'47.2"N 74°43'05.2"W  
 Legend "13" to light 44°59'35.5"N 74°43'23.1"W  
 Legend "A" to light 44°59'30.2"N 74°45'24.6"W  
 Legend "B" to light 44°59'35.7"N 74°45'41.5"W  
 Legend "C" to light 44°59'27.6"N 74°45'46.2"W  
 Legend "20" to light 44°59'24.5"N 74°45'59.9"W  
 Legend "21" to light 44°59'16.5"N 74°46'28.1"W  
 Legend "23" to light 44°59'13.9"N 74°46'49.1"W  
 Legend "24" to light 44°59'14.4"N 74°47'10.2"W  
 Light "25" Fl G 2.5s 9m 44°59'08.4"N 74°47'09.3"W  
 Legend "26" to light 44°59'10.4"N 74°47'37.0"W  
 Legend "A" to light 44°59'05.1"N 74°47'44.3"W  
 Legend "B" to light 44°59'04.3"N 74°47'53.0"W  
 Legend "28" to light 44°59'05.7"N 74°48'31.1"W  
 Legend "29" to light 44°59'00.0"N 74°48'29.7"W  
 Light "31" Fl G 2.5s 9m 44°58'53.9"N 74°49'23.1"W  
 (10/1433)02 Ottawa)

**15061** 3Ed. 12/13/75 LAST NM 51/99 50/03  
 Relocate Buoy "NCT" from 53°48.8'N 56°35.0'W to 53°48.6'N 56°35.5'W (10/5133)02 Ottawa)

**15064** 1Ed. 12/6/75 LAST NM 51/99 50/03  
 Relocate Buoy "NCT" from 53°48'45"N 56°35'01"W to 53°48'37"N 56°35'30"W (10/5133)02 Ottawa)

**15160** 5Ed. 5/2/98 LAST NM 40/98 50/03  
 Add Depth 7 meters Obstn [K41] 61°35.7'N 64°35.4'W  
 Depth 6.7 meters Obstn [K41] 61°35.8'N 64°35.9'W  
 Depth 8.5 meters Obstn [K41] 61°34.9'N 64°36.0'W (8/5340)03 Ottawa)

**15163** 2Ed. 7/16/83 LAST NM 21/84 50/03  
 Add Depth 3 fathoms 5 feet Obstn [K41] 61°35'39"N 64°35'23"W  
 Depth 3 fathoms 4 feet Obstn [K41] 61°35'49"N 64°35'53"W  
 Depth 4 fathoms 4 feet Obstn [K41] 61°34'51"N 64°36'02"W (8/5340)03 Ottawa)

**16011** 35Ed. 12/2/00 LAST NM 44/03 50/03  
 Delete Superbuoy ODAS "46072" 52°01.8'N 172°04.0'W  
 Add Superbuoy ODAS [Q58] "46072" Y, Fl(4) Y 20s 51°37.6'N 172°09.4'W (NTM0022/2003)

**16012** 21Ed. 2/23/91 LAST NM 34/03 50/03  
 Delete Superbuoy ODAS "46072" (See 34/03-16012) 52°01.8'N 172°05.0'W  
 Add Superbuoy ODAS [Q58] "46072" Y, Fl(4) Y 20s 51°37.6'N 172°09.4'W (NTM0022/2003)

**★16431** 7Ed. 10/03 NEW EDITION 50/03  
 (NOS)

**★16480** 10Ed. 8/25/90 LAST NM 34/03 50/03  
 Delete Superbuoy ODAS "46072" (See 34/03-16480) 52°01.8'N 172°05.0'W  
 Add Superbuoy ODAS [Q58] "46072" Y, Fl(4) Y 20s 51°37.6'N 172°09.4'W (NTM0022/2003)

**16700** 28Ed. 7/03 LAST NM 43/03 50/03  
 Add Legend "Shoal rep (1998)" 60°49.6'N 146°41.4'W (NOS)

**★16708** 25Ed. 10/6/01 LAST NM 20/03 50/03  
 Add Legend "Shoal rep (1998)" 60°49'39"N 146°41'25"W  
 (Inset)  
 Add Legend "Shoal rep (1998)" 60°49'39"N 146°41'25"W (NOS)

**★17375** 20Ed. 2/18/95 LAST NM 45/01 50/03  
 Change Legend to "19 FEET FOR WIDTH OF 300 FEET MAR 2003" 56°49'29.0"N 132°56'27.0"W  
 Legend to "21 FEET FOR WIDTH OF 300 FT MAR 2003" 56°48'34.9"N 132°58'49.5"W  
 Legend to "21 FEET MAR 2003" 56°34'03.5"N 132°58'13.0"W  
 (Inset Petersburg)  
 Change Legend to "21 FEET FOR WIDTH OF 300 FT MAR 2003" 56°48'34.2"N 132°58'44.5"W (NOS)

**18415** 8Ed. 7/8/95 LAST NM 47/03 50/03  
 Add Submarine cable [L30.1] joining 48°41'16"N 123°24'06"W  
 48°41'25"N 123°23'57"W  
 48°41'29"N 123°23'50"W  
 48°41'36"N 123°23'41"W  
 48°41'44"N 123°23'31"W  
 48°41'50"N 123°23'28"W  
 48°41'58"N 123°23'21"W (8/3476)03 Ottawa)

## SECTION I

NM 50/03

<b>18420</b>	1Ed. 3/1/86	LAST NM 49/03	50/03		
Add	Submarine cable [L30.1] joining				
		48°41'16.2"N 123°24'01.6"W			
		48°41'18.1"N 123°23'59.5"W			
		48°41'25.4"N 123°23'52.0"W			
		48°41'29.9"N 123°23'45.3"W			
		48°41'37.1"N 123°23'36.6"W			
		48°41'41.7"N 123°23'30.3"W			
		48°41'44.8"N 123°23'26.5"W			
		48°41'46.5"N 123°23'25.1"W			
		48°41'48.4"N 123°23'24.1"W			
		48°41'50.3"N 123°23'23.3"W			
		48°41'52.8"N 123°23'21.4"W			
		48°41'55.7"N 123°23'18.4"W			
		48°41'57.2"N 123°23'16.6"W			
	(8(3476)03 Ottawa)				
<b>★18421</b>	46Ed. 10/03	NEW EDITION	50/03		
Add	Depth 2 fathoms		48°40'54"N 123°19'29"W		
	Depth 2 fathoms		48°40'23"N 123°18'52"W		
	(Previously published 39/03)				
Delete	Obscured sector from light "4" and change visibility (range) to 4M (Previously published 47/03)		48°59'32"N 122°47'03"W		
	<b>(Inset)</b>				
Delete	Obscured sector from light "4" and change visibility (range) to 4M (Previously published 47/03)		48°59'32"N 122°47'03"W		
Change	Characteristic of range light, front to F WRG		49°00'07"N 123°05'27"W		
	(NOS; USCG LL)				
<b>★18449</b>	18Ed. 10/03	NEW EDITION	50/03		
	(NOS)				
<b>★18545</b>	15Ed. 9/03	NEW EDITION	50/03		
	(NOS)				
<b>★18581</b>	17Ed. 9/02	LAST NM 36/03	50/03		
Add	Tabulation of controlling depths from Subsection I-2				
	(NOS)				
<b>18649</b>	63Ed. 9/03	LAST NM 48/03	50/03		
Add	Tabulation of controlling depths from Subsection I-2				
	(NOS)				
<b>★18653</b>	9Ed. 9/30/00	LAST NM 43/03	50/03		
Add	Tabulation of controlling depths from Subsection I-2				
	(NOS)				
<b>18749</b>	38Ed. 12/1/01	LAST NM 49/03	50/03		
Add	Designation "N" to light		33°45'10.8"N 118°11'13.6"W		
	Designation "S" to light		33°44'58.8"N 118°11'13.6"W		
	(See 28/03-18749)				
	(20/03 CG11)				
<b>★18751</b>	42Ed. 12/1/01	LAST NM 49/03	50/03		
Add	Designation "N" to light		33°45'10.8"N 118°11'13.6"W		
	Designation "S" to light		33°44'58.8"N 118°11'13.6"W		
	(See 28/03-18751)				
	(20/03 CG11)				
<b>★19357</b>	22Ed. 8/02	LAST NM 47/03	50/03		
	<b>(Inset)</b>				
Add	Purple dashed line [N1.2] with legend "Security Zone 165.1407" between		21°19'19.1"N 158°07'16.1"W		
			21°19'29.7"N 158°07'15.1"W		
	(NOS)				
<b>★19366</b>	36Ed. 1/12/02	LAST NM 5/03	50/03		
Add	Buoy (mooring) [Q40] "CG"		21°22'06.9"N 157°58'51.0"W		
	(42/03 CG14)				
<b>★19367</b>	37Ed. 5/8/99	LAST NM 10/03	50/03		
Delete	Position circle and legend "MICRO TOWER"		21°18'21.0"N 157°52'22.7"W		
Add	Tabulation of controlling depths from Subsection I-2				
	Depth 35 feet		21°18'54.3"N 157°53'11.8"W		
	Depth 34 feet		21°18'52.0"N 157°53'14.6"W		
	Depth 33 feet		21°18'51.3"N 157°53'14.1"W		
	(NOS; NTM0022/2003)				
<b>19369</b>	5Ed. 7/8/00	LAST NM 36/03	50/03		
Add	Tabulation of controlling depths from Subsection I-2				
	(NOS)				
<b>24052</b>	15Ed. 9/13/97	LAST NM 44/03	50/03		
Delete	Pilot waiting zone area in vicinity		34°44'30"S 57°51'30"W		
	Note: Legend "PILOT...ZONE" remains				
	"LIGHTERING ZONE" area in vicinity		34°45'30"S 57°48'30"W		
	Anchorage area in vicinity		34°47'00"S 57°49'00"W		
	Note: Legend "ARGENTINE...ANCHORAGE" remains				
Add	Pilot waiting zone area bound by dashed line joining		34°43'48"S 57°48'00"W		
			34°42'37"S 57°53'02"W		
			34°45'02"S 57°54'35"W		
			34°46'24"S 57°53'12"W		
			34°46'24"S 57°48'00"W		
	Note: Area extends beyond chart border				
	Argentine Navy anchorage area bound by dashed line joining		34°46'24"S 57°48'00"W		
			34°46'24"S 57°50'05"W		
			34°47'59"S 57°51'36"W		
			34°47'59"S 57°48'00"W		
	Note: Area extends beyond chart border				
	<b>(Plan)</b>				
Delete	Dashed line joining		34°46'24.0"S 57°53'12.0"W		
			34°46'26.0"S 57°53'10.2"W		
			34°46'11.1"S 57°50'30.0"W		
	Dashed line between		34°47'59.0"S 57°51'36.0"W		
			34°46'29.7"S 57°50'05.8"W		
Add	Dashed line between		34°46'24.0"S 57°53'12.0"W		
			34°46'24.0"S 57°50'11.9"W		
	Dashed line between		34°47'59.0"S 57°51'36.0"W		
			34°46'27.0"S 57°50'08.3"W		
	(6(62)03 Montevideo)				
<b>24055</b>	6Ed. 10/4/97	LAST NM 42/03	50/03		
Delete	Pilot waiting zone area in vicinity		34°44.5'S 57°50.8'W		
	Note: Legend "Pilot...Zone" remains				
	"LIGHTENING ZONE" area in vicinity		34°45.3'S 57°48.0'W		
	"Anchoring...Navy" area in vicinity		34°47.0'S 57°49.0'W		
Add	"Pilot Waiting Zone" area bound by purple dashed line joining		34°42.6'S 57°53.0'W		
			34°43.8'S 57°47.7'W		
			34°46.4'S 57°47.7'W		
			34°46.4'S 57°53.2'W		
			34°45.0'S 57°54.6'W		
	"LIGHTERING ZONE" area bound by purple dashed line joining		34°43.8'S 57°47.7'W		
			34°45.0'S 57°46.0'W		
			34°46.4'S 57°44.9'W		
			34°46.4'S 57°47.7'W		
	"Anchoring Reserved for Argentina Navy" area bound by purple composite line joining		34°46.4'S 57°47.1'W		
			34°48.0'S 57°47.1'W		
			34°48.0'S 57°51.6'W		
			34°46.4'S 57°50.1'W		
	(6(62)03 Montevideo)				

**26068** 11Ed. 12/30/00 LAST NM 18/03 50/03  
 Change Height of light to 33m 9°23'17.8"N 79°54'56.8"W  
 (NTM0003/2003)

**29105** 5Ed. 11/8/97 LAST NM 49/03 50/03  
 Delete Depth contour (100-meter) between 63°13.6'S 54°36.2'W  
 63°22.7'S 54°41.6'W  
 Depth contour (200-meter) between 63°08.8'S 54°38.9'W  
 63°27.7'S 54°36.4'W  
 (NTM0004/2003)

**37005** 16Ed. 8/2/97 LAST NM 30/03 50/03  
 Add Swept depth 23.3 meters Wk [K27] 53°56.6'N 6°35.9'E  
 Swept depth 23.6 meters Obstn [K42] 53°54.6'N 6°52.6'E  
 Depth 12 meter Wk [K26] 54°41.9'N 1°09.5'W  
 (38(87)03 Hamburg; 43(4676)03 Taunton)

**37010** 23Ed. 9/7/96 LAST NM 43/03 50/03  
 Add Swept depth 23.3 meters Wk [K27] 53°56.6'N 6°35.9'E  
 Swept depth 23.6 meters Obstn [K42] 53°54.6'N 6°52.6'E  
 Depth 9.8 meters 54°40.2'N 1°08.2'W  
 Depth 12 meter Wk [K26] 54°41.9'N 1°09.5'W  
 (38(87)03 Hamburg; 43(4675 ,4676)03 Taunton)

**37165** 2Ed. 2/3/96 LAST NM 45/03 50/03  
 Add Swept depth 23.3 meters Wk [K27] 53°56.6'N 6°35.9'E  
 Swept depth 23.6 meters Obstn [K42] 53°54.6'N 6°52.6'E  
 (38(87)03 Hamburg)

**37221** 13Ed. 2/3/96 LAST NM 32/03 50/03  
 Add Swept depth 23.3 meters Wk [K27] 53°56.6'N 6°35.9'E  
 Swept depth 23.6 meters Obstn [K42] 53°54.6'N 6°52.6'E  
 Depth 11.8 meters 53°48.0'N 8°02.5'E  
 (38(2, 87)03 Hamburg)

**37231** 18Ed. 4/5/97 LAST NM 14/03 50/03  
 Add Swept depth 1.4 meters Obstn [K42] 53°47'49"N 7°53'29"E  
 Depth 11.8 meters 53°47'59"N 7°59'41"E  
 (38(2)03 Hamburg)

**37461** 9Ed. 7/8/00 LAST NM 36/03 50/03  
 (Plan)  
 Change Period of light to 10s 43°20'06.6"N 3°01'46.8"W  
 Characteristic of light to Fl G 5s 43°20'01.4"N 3°01'45.0"W  
 Characteristic of light to Fl(3) G 10s 43°19'51.0"N 3°01'44.6"W  
 Characteristic of buoy "C" to Fl(2+1) R 10s 43°19'53.7"N 3°01'26.1"W  
 (See 36/03-37461)  
 (52(897)02 Cadiz)

**42765** 3Ed. 8/1/98 LAST NM 47/03 50/03  
 Change Title to "CAUTIONS" and first line to "1. Due to age and source of survey data and the lack of recent information, this chart" 69°38'10"N 30°49'15"E  
 Add Legend "CAUTION NO 2" 69°40'06"N 31°26'50"E  
 Legend "CAUTION NO 2" 69°39'36"N 31°31'00"E  
 Caution note  
 "2. Marine farms, marked by spars and radar reflectors, are present in Guba Pechenga and Guba Amarnaya. Entering and anchoring are prohibited in the area of marine farms. Consult local authorities at Mys Zemlyanoy."  
 69°37'48"N 30°44'36"E  
 (31(4961)03 St. Petersburg)

**43369** 6Ed. 12/24/94 LAST NM 48/03 50/03  
 Add Buoy YB, pillar, double cone topmark points downward, Q(6) + L Fl 15s 58°54'00"N 10°49'36"E  
 (13(1015)03 Norrkoping)

**43373** 8Ed. 6/22/96 LAST NM 49/03 50/03  
 Relocate Buoy "Grisbadarna SV" from 58°54'00"N 10°49'39"E to 58°54'00"N 10°49'36"E  
 (13(1015)03 Norrkoping)

**43375** 7Ed. 8/22/92 LAST NM 44/03 50/03  
 Relocate Buoy "Grisbadarna SV" from 58°54'00"N 10°49'39"E to 58°54'00"N 10°49'36"E  
 (13(1015)03 Norrkoping)

**44001** 2Ed. 10/19/96 LAST NM 26/03 50/03  
 Delete "MUNITIONS" area in vicinity 58°49.2'N 18°42.0'E  
 Add "MUNITIONS" area bound by purple composite line joining 58°52.0'N 18°26.0'E  
 58°52.0'N 18°50.0'E  
 58°48.3'N 18°50.0'E  
 58°38.8'N 18°26.0'E  
 (51-52(924)01 Norrkoping)

**44015** 8Ed. 7/22/95 LAST NM 47/03 50/03  
 Add Dangerous wreck [K28] 54°56.9'N 18°20.2'E  
 (34(543)03 Gdynia)

**44030** 7Ed. 6/14/97 LAST NM 48/03 50/03  
 Delete Submarine cable between 65°33.1'N 22°44.2'E  
 65°32.9'N 22°41.8'E  
 Submarine cable between 65°34.7'N 22°31.5'E  
 65°34.7'N 22°22.5'E  
 (51-52(921)01 Norrkoping)

**44049** 9Ed. 6/15/96 LAST NM 48/03 50/03  
 Add Legend "NOTE NO 3" 55°24'24"N 12°57'15"E  
 Note 3 to "Notes"  
 "3. Falsterbokanalen closed December 24-26, 31 and January 1. 55°36'00"N 13°06'00"E  
 (50(711)02 Norrkoping)

**44140** 8Ed. 7/20/96 LAST NM 47/03 50/03  
 Delete Legend "PA" from wreck 54°56.9'N 18°20.2'E  
 Add Buoy (mooring) [Q41] "PB-2" Mo (U) 15s 55°27.3'N 18°10.8'E  
 Dangerous wreck [K28] 54°57.0'N 18°20.2'E  
 (32(520)02, 34(542 ,543)03 Gdynia)

**44161** 2Ed. 6/8/96 LAST NM 49/03 50/03  
 (Panel A)  
 Add Light IVQ 6s 4m 3M with visible sector 270°-030° 57°44'08"N 16°43'16"E  
 (32(429)02 Norrkoping)

**44180** 6Ed. 7/6/91 LAST NM 48/03 50/03  
 Add "UNEXPLODED AMMUNITION" area bound by purple composite line joining 58°52.0'N 18°26.0'E  
 58°52.0'N 18°50.0'E  
 58°48.3'N 18°50.0'E  
 58°38.8'N 18°26.0'E  
 (51-52(924)01 Norrkoping)

**44185** 7Ed. 3/23/96 LAST NM 48/03 50/03  
 Relocate Buoy "Sodergrundan" from 59°14'37.5"N 19°02'59.0"E to 59°14'36.0"N 19°03'00.0"E  
 (25(490)01 Norrkoping)

**44187** 2Ed. 2/3/96 LAST NM 48/03 50/03  
 Delete Buoy "Nyggrund" 59°44'50"N 19°15'29"E  
 (See 25/03-44187)  
 Substitute Depth 13 meters for 9.6 meters 59°44'50"N 19°15'30"E  
 (45(633)02 Norrkoping)

**44193** 1Ed. 7/16/94 LAST NM 48/03 50/03  
 Relocate Buoy from 59°30'16"N 16°57'33"E to 59°30'14"N 16°57'38"E  
 Change Sectors of light between 184° and shore to green 184°-195°, red-shore 59°29'45"N 16°57'23"E  
 Add Buoy G, spar 59°29'09"N 16°52'22"E  
 Buoy G, spar 59°30'58"N 16°42'44"E  
 (50(709)02, 13(975)03 Norrkoping)

## SECTION I

NM 50/03

<b>44200</b>	9Ed. 7/20/96	LAST NM 47/03	50/03
Add	Buoy YB, pillar, double cone topmark points downward, VQ(6) + L Fl 10s 60°05.8'N 20°43.5'E		
	Buoy BY, pillar, double cone topmark points upward, VQ 60°04.6'N 20°52.3'E		
	Buoy YB, pillar, double cone topmark points downward, VQ(6) + L Fl 10s 60°04.8'N 20°52.4'E		
	Buoy YB, pillar, double cone topmark points downward, VQ(6) + L Fl 10s 60°04.8'N 20°54.0'E		
	Buoy BY, pillar, double cone topmark points upward, VQ 60°04.6'N 20°54.1'E		
	Buoy BY, pillar, double cone topmark points upward, VQ 60°04.8'N 20°55.5'E		
	Buoy BY, pillar, double cone topmark points upward, VQ 60°04.8'N 20°56.0'E		
	Buoy YB, pillar, double cone topmark points downward, VQ(6) + L Fl 10s 60°05.3'N 21°06.9'E		
	(30(741)01 Helsinki)		
<b>44204</b>	1Ed. 12/27/86	LAST NM 27/03	50/03
Delete	Anchorage symbol (large vessels) 60°55'57"N 17°10'54"E (50(714)02 Norrköping)		
<b>44207</b>	1Ed. 11/22/86	LAST NM 46/03	50/03
	<b>(Plan B)</b>		
Delete	Anchorage symbol (large vessels) 60°55'57.0"N 17°10'54.0"E		
	Recommended track between	60°55'57.0"N 17°10'57.0"E	60°55'55.0"N 17°12'31.0"E
	Recommended track between	60°56'52.0"N 17°15'06.0"E	60°56'48.0"N 17°16'54.0"E
	Note: Range line remains (50(714)02 Norrköping)		
<b>44280</b>	9Ed. 7/13/96	LAST NM 47/03	50/03
Delete	Submarine cable between 65°33.1'N 22°44.2'E 65°32.9'N 22°41.8'E		
	Submarine cable between 65°34.7'N 22°31.5'E 65°34.7'N 22°22.5'E		
	Submarine cable between 65°30.5'N 22°30.8'E 65°32.2'N 22°23.5'E		
	(51-52(921)01 Norrköping)		
<b>44281</b>	2Ed. 4/6/96	LAST NM 49/03	50/03
Delete	Submarine cable between 65°33'06"N 22°44'09"E 65°32'54"N 22°41'48"E		
	Submarine cable between 65°34'42"N 22°31'27"E 65°34'42"N 22°22'30"E		
	Submarine cable between 65°30'32"N 22°30'45"E 65°32'11"N 22°23'30"E		
Add	Authorized draft 11.1 meters to recommended track [M3] 65°22'30"N 22°41'15"E		
	Authorized draft 8.7 meters to recommended track [M3] 65°23'30"N 22°20'24"E		
	(51-52(921)01, 13(1024)03 Norrköping)		
<b>44283</b>	2Ed. 4/6/96	LAST NM 49/03	50/03
Delete	Submarine cable between 65°34'43.0"N 22°22'30.0"E 65°34'51.0"N 22°29'00.0"E		
	Submarine cable between 65°32'10.8"N 22°23'24.0"E 65°31'33.0"N 22°29'00.0"E		
	(51-52(921)01 Norrköping)		
<b>44310</b>	5Ed. 12/21/96	LAST NM 37/03	50/03
	<b>(Plan)</b>		
Add	Buoy R, spar, Fl 3s 61°36'04.2"N 21°27'45.6"E		
	Buoy R, spar, Fl 3s 61°36'10.8"N 21°28'01.8"E		
	Buoy R, spar, Fl 3s 61°36'09.0"N 21°27'50.4"E		
	Buoy R, spar 61°36'05.4"N 21°27'45.6"E		
	Buoy G, spar 61°35'57.0"N 21°27'58.8"E		
	(See 42/02-44310)		
	(32-33(794)01 Helsinki)		
<b>44320</b>	4Ed. 9/21/96	LAST NM 49/03	50/03
Add	Buoy BY, spar, double cone topmark points upward 59°15.2'N 23°35.5'E		
	(5(53)03 Tallinn)		
<b>44340</b>	11Ed. 8/10/96	LAST NM 49/03	50/03
Add	Buoy BY, spar, double cone topmark points upward 59°15.2'N 23°35.5'E		
	(5(53)03 Tallinn)		
<b>44400</b>	4Ed. 9/7/96	LAST NM 49/03	50/03
Relocate	Danger circle "Marine farm" from 58°27.9'N 22°04.0'E to 58°27.6'N 22°04.0'E (See 4/03-44400)		
Add	Depth 20 meters enclosed by depth contour (20-meter) 57°58.2'N 22°26.0'E		
	Depth 20 meters enclosed by depth contour (20-meter) 58°06.9'N 23°07.6'E		
	(5(59, 61, 62)03 Tallinn)		
<b>44410</b>	4Ed. 2/8/97	LAST NM 49/03	50/03
Relocate	Danger circle "Marine farm" from 58°27.9'N 22°04.0'E to 58°27.6'N 22°04.0'E (See 4/03-44410)		
Add	Depth 20 meters enclosed by depth contour (20-meter) 57°58.2'N 22°26.0'E		
	"UNEXPLODED AMMUNITION" area bound by purple composite line joining 58°52.0'N 18°26.0'E 58°52.0'N 18°50.0'E 58°48.3'N 18°50.0'E 58°38.8'N 18°26.0'E		
	(5(59, 61)03 Tallinn; 51-52(924)01 Norrköping)		
<b>44461</b>	10Ed. 1/11/97	LAST NM 47/03	50/03
Delete	Legend "PA" from wreck 54°56.9'N 18°20.2'E		
Add	Dangerous wreck [K28] 54°57.0'N 18°20.2'E (34(542, 543)03 Gdynia)		
<b>44481</b>	2Ed. 2/22/97	LAST NM 31/03	50/03
Delete	Legend "PA" from wreck 54°56.9'N 18°20.2'E		
Add	Dangerous wreck [K28] 54°57.0'N 18°20.2'E (34(542, 543)03 Gdynia)		
<b>51560</b>	11Ed. 11/9/96	LAST NM 46/00	50/03
Add	Dangerous wreck [K28] marked close W by buoy YBY, pillar, double cone topmark points together (lighted) 13°15.3'N 16°59.4'W		
	(49(34)02 Brest)		
<b>51562</b>	10Ed. 11/27/93	LAST NM 37/94	50/03
Delete	Buoy 13°34'36"N 16°51'33"W		
Add	Dangerous wreck [K28] marked close W by buoy YBY, pillar, double cone topmark points together (lighted) 13°15'18"N 16°59'24"W		
	<b>(Plan)</b>		
Delete	Dolphin 13°26'41.8"N 16°34'17.5"W		
	Depth 11.9 meters 13°26'47.0"N 16°34'15.1"W		
Relocate	Position circle "Tr (28)" from 13°26'40.3"N 16°34'17.8"W to 13°26'41.2"N 16°34'18.6"W and add floodlight symbol [P63]		
Add	Double solid line with land tint (jetty) [F14] joining 13°26'41.0"N 16°34'17.7"W 13°26'43.7"N 16°34'15.4"W 13°26'44.8"N 16°34'15.1"W		
	Position circle with floodlight symbol [P63] 13°26'43.7"N 16°34'16.8"W		
	Dolphin [F20] 13°26'45.6"N 16°34'14.5"W		
	Dolphin [F20] 13°26'46.0"N 16°34'13.5"W		
	(35(3468)01 Taunton; 49(34)02 Brest; BA CH 608)		

<b>52043</b>	21Ed. 7/4/98 LAST NM 48/03	50/03	
Add	Superbuoy ODAS [Q58] Y, Fl(5) Y 20s (48(824)02 Cadiz)	36°09'41.4"N 5°22'44.4"W	
<b>★52160</b>	7Ed. 9/27/86 LAST NM 42/01	50/03	
Add	Depth 48 meters Wk [K26] (PA) (NTM0033/2003)	34°20.2'N 11°51.3'E	
<b>52180</b>	14Ed. 7/31/99 LAST NM 16/03	50/03	
Add	Dangerous wreck [K28] (4(8)03 Genova)	38°00.0'N 12°29.6'E	
<b>53090</b>	1Ed. 4/14/90 LAST NM 41/02	50/03	
Add	Buoy Y, can, "X" topmark (2(3)03 Genova)	41°14'38"N 13°40'42"E	
<b>54105</b>	3Ed. 8/31/02 LAST NM 19/03	50/03	
Add	Wreck [K29] (2(14)03 Genova)	42°15.8'N 14°52.3'E	
<b>54131</b>	2Ed. 2/10/01 LAST NM 46/01	50/03	
Add	Wreck [K29] (2(14)03 Genova)	42°15.8'N 14°52.3'E	
<b>54360</b>	12Ed. 9/22/90 LAST NM 34/03	50/03	
Delete	Wreck (PA) Dangerous wreck "Rep (1921)"	40°03'32"N 25°59'22"E 40°37'54"N 26°02'08"E	
Add	Wreck [K29] Wreck [K29] Wreck [K29] (24(110)03 Istanbul)	40°02'52"N 26°07'16"E 40°02'22"N 26°01'54"E 40°04'52"N 26°01'14"E	
<b>54363</b>	3Ed. 7/14/84 LAST NM 21/03	50/03	
Delete	Wreck (PA) Wreck "Rep (1993)" Wreck Dangerous wreck "Rep (1921)"	40°03'32"N 25°59'22"E 40°04'54"N 26°04'12"E 40°04'12"N 26°04'54"E 40°37'54"N 26°02'08"E	
Add	Wreck [K29] Wreck [K29] Wreck [K29] (24(110)03 Istanbul)	40°02'52"N 26°07'16"E 40°02'22"N 26°01'54"E 40°04'52"N 26°01'14"E	
<b>54368</b>	4Ed. 2/4/95 LAST NM 20/02	50/03	
Delete	Dangerous wreck "Rep (1921)" (24(110)03 Istanbul)	40°37'54"N 26°02'03"E	
<b>54369</b>	4Ed. 4/6/96 LAST NM 34/03	50/03	
Delete	Wreck (PA) Wreck "Rep (1993)" Wreck	40°03'32"N 25°59'22"E 40°04'52"N 26°04'10"E 40°04'12"N 26°04'54"E	
Add	Wreck [K29] (24(110)03 Istanbul)	40°02'52"N 26°07'16"E	
<b>55040</b>	4Ed. 7/31/99 LAST NM 42/03	50/03	
Add	Wreck [K29] (23(104)03 Istanbul)	40°55.7'N 28°43.4'E	
<b>55041</b>	7Ed. 5/13/95 LAST NM 49/03	50/03	
Add	(Panel A) Wreck [K29] (24(110)03 Istanbul)	40°02'52.2"N 26°07'16.2"E	
<b>55046</b>	4Ed. 11/30/96 LAST NM 46/03	50/03	
Add	Wreck [K29] (23(104)03 Istanbul)	40°55'44"N 28°43'25"E	
<b>55082</b>	9Ed. 5/11/96 LAST NM 46/03	50/03	
Delete	(Plan) Buoy "10" (See 44/03-55082)	46°30'20.5"N 30°44'11.0"E	
Add	Buoy "10" R, pillar, can topmark, Fl R 3s (33(5353)03 St. Petersburg)	46°30'19.7"N 30°44'10.3"E	
<b>55085</b>	9Ed. 9/21/96 LAST NM 46/03	50/03	
Add	Buoy Y, pillar, "X" topmark Buoy Y, pillar, "X" topmark (46(7304), 49(7822)99 St. Petersburg)	46°12.0'N 30°48.8'E 46°23.7'N 31°00.0'E	
<b>55101</b>	4Ed. 8/24/96 LAST NM 46/03	50/03	
Add	Anchor berth "1" [N11.1] Anchor berth "2" [N11.1] (27(4319)03 St. Petersburg)	46°44'36"N 31°54'39"E 46°46'12"N 31°56'12"E	
<b>55102</b>	3Ed. 8/10/96 LAST NM 46/03	50/03	
Add	Depth 0.8 meter Obstn [K41] Anchor berth "1" [N11.1] (27(4318, 4319)03 St. Petersburg)	46°36'11"N 31°26'36"E 46°44'36"N 31°54'39"E	
<b>55103</b>	2Ed. 4/6/96 LAST NM 46/03	50/03	
Delete	Stranded wreck and buoy (See 38/03-55103) (27(4322)03 St. Petersburg)	44°36'37.7"N 33°35'41.4"E	
<b>55128</b>	2Ed. 3/18/00 LAST NM 43/03	50/03	
Delete	(Plan) Depth 0.5 meter Obstn	44°43'41.1"N 37°46'43.0"E	
Add	Light FG 2M (27(4326), 31(5021)03 St. Petersburg)	44°43'37.7"N 37°46'53.7"E	
<b>55130</b>	2Ed. 2/8/97 LAST NM 46/03	50/03	
Substitute	Depth 35 meters Wk [K26] for dangerous wreck and by buoy (See 42/03-55130) (29(4677)03 St. Petersburg)	45°32.1'N 32°01.8'E	
<b>55200</b>	2Ed. 8/17/96 LAST NM 47/03	50/03	
Add	Buoy Y, spar, "X" topmark Buoy Y, spar, "X" topmark	45°12.0'N 36°30.9'E 45°12.9'N 36°30.9'E	
	Fish haven area with blue tint [K46.1] bound by dotted line (limiting danger line) joining	45°13.5'N 36°29.4'E 45°16.7'N 36°29.4'E 45°16.7'N 36°30.5'E 45°12.9'N 36°30.9'E	
	Fish haven area with blue tint [K46.1] bound by dotted line (limiting danger line) joining	45°12.0'N 36°30.9'E 45°12.9'N 36°30.9'E 45°12.9'N 36°32.9'E 45°12.0'N 36°32.9'E	
	(51(8126)99, 27(4327)03 St. Petersburg)		
<b>56011</b>	1Ed. 8/3/91 LAST NM 37/01	50/03	
Add	Depth 48 meters Wk [K26] (PA) (NTM0033/2003)	34°20.2'N 11°51.3'E	
<b>62001</b>	5Ed. 2/1/03 LAST NM 28/03	50/03	
Delete	Depth 236 meters (Plan)	27°19.5'N 34°03.9'E	
Delete	Depth 236 meters (NTM0032/2003)	27°19.5'N 34°03.9'E	
<b>★62188</b>	3Ed. 11/18/95 LAST NM 52/01	50/03	
Add	Depth 22.9 meters (NTM0032/2003)	27°06'59"N 33°59'38"E	
<b>★62230</b>	2Ed. 12/29/90 LAST NM 52/01	50/03	
Delete	Depth 236 meters (NTM0032/2003)	27°19.5'N 34°03.9'E	
<b>62413</b>	12Ed. 3/22/03 LAST NM 28/03	50/03	
Add	Buoy "Dolphin Turning" R, can, QR (7/03 MENAS)	26°11'24.0"N 50°40'54.0"E	



**74231** 7Ed. 5/30/98 LAST NM 36/03 50/03  
 (Plan A)  
 Add Buoy (mooring) [Q40] 21°07'01.5"S 149°13'48.0"E  
 (See 5/02-74231)  
 (18(591)03 Wollongong)

**74285** 2Ed. 8/23/97 LAST NM 38/03 50/03  
 Substitute Depth 16.5 meters for 16 meters 9°33.9'S 143°51.1'E

Add Chartlet A, depicting changes in hydrography,  
 from Subsection I-2 9°32.8'S 143°47.3'E  
 Chartlet B, depicting changes in hydrography,  
 from Subsection I-2 9°49.5'S 143°25.7'E  
 Chartlet C, depicting changes in hydrography,  
 from Subsection I-2 9°38.5'S 144°10.0'E  
 Chartlet D, depicting changes in hydrography,  
 from Subsection I-2 10°14.0'S 144°00.0'E  
 Chartlet E, depicting changes in hydrography,  
 from Subsection I-2 10°14.5'S 144°35.0'E  
 (26(827, 828)02, 1(42), 7(229)03 Wollongong)

**74290** 11Ed. 9/6/97 LAST NM 38/03 50/03  
 Add Chartlet A, depicting changes in hydrography,  
 from Subsection I-2 9°38.0'S 143°43.5'E  
 Chartlet B, depicting changes in hydrography,  
 from Subsection I-2 10°03.2'S 143°14.5'E  
 Chartlet C, depicting changes in hydrography,  
 from Subsection I-2 9°53.9'S 143°30.0'E  
 (26(827)02, 21(42)03 Wollongong)

**93721** 5Ed. 6/5/99 LAST NM 49/03 50/03  
 Add Dangerous wreck [K28] (PA) 22°42'21"N 113°41'12"E  
 Dangerous wreck [K28] (PA) 22°43'11"N 113°42'13"E  
 Dangerous wreck [K28] (PA) 22°43'20"N 113°42'30"E  
 (51(972)02, 36(764)03 Tianjin)

**93726** 4Ed. 4/20/96 LAST NM 45/03 50/03  
 Add Dangerous wreck [K28] (PA) 22°42'21.0"N 113°41'12.0"E  
 Dangerous wreck [K28] (PA) 22°43'11.4"N 113°42'12.6"E  
 Dangerous wreck [K28] (PA) 22°43'19.8"N 113°42'30.0"E  
 (51(972)02, 36(764)03 Tianjin)

**93736** 22Ed. 6/27/98 LAST NM 46/03 50/03  
 Delete Buoy (mooring) "A6" 22°17'43.2"N 114°08'03.6"E  
 Buoy (mooring) "A8" 22°17'55.8"N 114°08'10.2"E  
 Buoy (mooring) "A9" 22°18'07.2"N 114°08'01.8"E  
 Buoy (mooring) "A10" 22°18'18.6"N 114°07'52.2"E  
 Buoy (mooring) "A11" 22°18'29.4"N 114°07'43.2"E  
 Buoy (mooring) "A12" 22°18'40.8"N 114°07'34.2"E  
 Buoy (mooring) "A14" 22°18'58.2"N 114°07'06.0"E  
 Buoy (mooring) "A18" 22°18'28.2"N 114°07'25.8"E  
 Buoy (mooring) "A19" 22°18'52.2"N 114°06'51.6"E  
 Buoy (mooring) "B11" 22°17'52.8"N 114°07'55.2"E  
 Buoy (mooring) "B12" 22°18'01.8"N 114°07'48.0"E  
 Buoy (mooring) "B13" 22°18'11.4"N 114°07'40.8"E  
 Buoy (mooring) "B14" 22°18'15.6"N 114°07'30.6"E  
 Buoy (mooring) "B15" 22°17'38.4"N 114°07'48.6"E  
 Buoy (mooring) "B16" 22°17'47.4"N 114°07'42.0"E  
 Buoy (mooring) "B17" 22°17'57.0"N 114°07'34.2"E  
 Buoy (mooring) "B18" 22°18'05.4"N 114°07'27.0"E  
 Buoy (mooring) "B19" 22°18'15.6"N 114°07'18.6"E  
 Buoy (mooring) "B21" 22°17'46.2"N 114°07'29.4"E  
 Buoy (mooring) "B22" 22°17'54.6"N 114°07'21.6"E  
 Buoy (mooring) "B23" 22°18'04.8"N 114°07'13.8"E  
 Buoy (mooring) "B24" 22°18'14.4"N 114°07'06.0"E  
 Buoy (mooring) "B25" 22°18'20.4"N 114°06'54.6"E  
 Buoy (mooring) "B28" 22°18'44.4"N 114°06'40.2"E  
 (138/03 Hong Kong)

**95041** 7Ed. 7/16/94 LAST NM 23/03 50/03  
 Relocate Buoy "01" from 39°40'41"N 124°05'38"E to  
 39°40'31"N 124°05'30"E  
 Buoy "02" from 39°41'55"N 124°06'53"E to  
 39°41'48"N 124°06'49"E  
 Buoy "03" from 39°43'24"N 124°08'26"E to  
 39°43'47"N 124°08'20"E  
 Buoy "04" from 39°44'35"N 124°09'01"E to  
 39°44'33"N 124°08'59"E  
 Buoy "05" from 39°45'54"N 124°09'43"E to  
 39°45'49"N 124°09'38"E  
 Buoy "06" from 39°47'07"N 124°09'43"E to  
 39°46'59"N 124°09'47"E  
 Buoy "06A" from 39°47'08"N 124°10'00"E to  
 39°46'59"N 124°09'54"E

Buoy "07" from 39°48'32"N 124°09'29"E to  
 39°48'27"N 124°09'24"E  
 (See 23/03-95041)

Add Buoy "1-2" G, pillar, cone topmark 39°42'30"N 124°10'32"E

Buoy "1-3" R, pillar, can topmark 39°43'51"N 124°11'31"E  
 Buoy "1-5" R, pillar, can topmark 39°46'00"N 124°13'36"E  
 Buoy "1-7" R, pillar, can topmark 39°48'04"N 124°15'14"E  
 Buoy "1-9" R, pillar, can topmark 39°48'46"N 124°16'03"E

Buoy "1-13" G, pillar, cone topmark 39°49'57"N 124°16'21"E  
 Buoy "1-14" G, pillar, cone topmark 39°50'57"N 124°16'39"E  
 Buoy "1-15" G, pillar, cone topmark 39°51'23"N 124°16'23"E  
 Buoy "1-16" G, pillar, cone topmark 39°52'58"N 124°16'29"E  
 Buoy "1-17" G, pillar, cone topmark 39°53'21"N 124°16'43"E  
 Buoy "1-18" G, pillar, cone topmark 39°53'27"N 124°16'58"E  
 Buoy "1-19" R, pillar, can topmark 39°53'48"N 124°17'08"E  
 Buoy "2-1" R, pillar, can topmark 39°38'18"N 124°20'32"E  
 Buoy "2-2" G, pillar, cone topmark 39°39'41"N 124°21'44"E  
 Buoy "2-3" G, pillar, cone topmark 39°40'43"N 124°22'12"E  
 Buoy "2-4" G, pillar, cone topmark 39°41'41"N 124°22'06"E

Buoy "2-5" R, pillar, can topmark 39°43'26"N 124°22'32"E  
 Buoy "2-6" R, pillar, can topmark 39°44'30"N 124°21'03"E  
 Buoy "2-7" R, pillar, can topmark 39°45'55"N 124°20'31"E  
 Buoy "2-8" R, pillar, can topmark 39°46'05"N 124°19'52"E  
 Buoy "2-9" R, pillar, can topmark 39°46'47"N 124°18'44"E

Buoy "2-10" G, pillar, cone topmark 39°47'54"N 124°18'17"E  
 Buoy "2-11" G, pillar, cone topmark 39°49'10"N 124°18'35"E  
 Buoy "2-12" G, pillar, cone topmark 39°49'52"N 124°18'23"E  
 Buoy "2-13" G, pillar, cone topmark 39°50'37"N 124°17'24"E  
 (36(665)02, 22(417, 418)03 Tianjin)

**96381** 2Ed. 6/10/89 LAST NM 10/03 50/03  
 Substitute Depth 2.9 meters for 3.2 meters 52°42'45"N 141°16'37"E

Add Depth 3.2 meters 52°43'40"N 141°15'58"E  
 (18(2768)03 St. Petersburg)

**96441** 1Ed. 5/27/57 LAST NM 10/03 50/03  
 (Plan A)  
 Add Purple dashed line with legend "Port Limit"  
 [N49] joining 59°33'14"N 150°40'00"E  
 59°32'00"N 150°40'00"E  
 59°32'55"N 150°45'28"E  
 59°33'51"N 150°45'28"E  
 (18(2769)03 St. Petersburg)

**★96762** 4Ed. 9/13/03 NEW EDITION 50/03  
 (NGA)

**★97101** 2Ed. 10/11/03 NEW EDITION 50/03  
 (NGA)

**★97108** 4Ed. 10/4/03 NEW EDITION 50/03  
 Relocate Buoy from 35°57'32.5"N 140°42'54.0"E to  
 35°57'34.9"N 140°42'53.9"E  
 Buoy from 35°57'33.0"N 140°42'41.0"E to  
 35°57'35.6"N 140°42'41.1"E

Change Light to Mo(U) 10s 35°55'30.2"N 140°42'16.1"E  
 Light to Mo(U) 10s 35°55'31.8"N 140°42'18.0"E  
 Light to Mo(U) 10s 9m 10M 35°55'34.9"N 140°42'24.0"E  
 Light to Mo(U) 10s 35°55'36.0"N 140°42'29.0"E  
 Light to Mo(U) 10s 33°55'37.0"N 140°42'33.5"E  
 (NGA; 37(1414)03 Tokyo)

★97158	5Ed. 10/18/03	NEW EDITION	50/03
(NGA)			
★97188	3Ed. 9/20/03	NEW EDITION	50/03
(NGA)			
★97206	3Ed. 10/18/03	NEW EDITION	50/03
(NGA)			
★97276	2Ed. 10/18/03	NEW EDITION	50/03
(NGA)			
★97281	3Ed. 9/20/03	NEW EDITION	50/03
(NGA)			
97345	2Ed. 7/12/97	LAST NM 28/01	50/03
Add	Chartlet, depicting changes in hydrography and topography, from Subsection I-2		
		31°22'48.0"N 130°33'27.0"E	
	Double solid line with land tint (bridge) [D22] between		
		31°22'40.6"N 130°32'41.7"E	
		31°22'38.6"N 130°32'43.5"E	
(Jpn CH W1248)			
★97410	9Ed. 10/11/03	NEW EDITION	50/03
Change	Visibility (range) of light to 13M		33°31'05"N 129°49'43"E
(NGA; 38(1449)03 Tokyo)			
800744	1Ed. 9/24/88	LAST NM N47/03	N50/03
Add	Buoy (mooring) [Q40] "CG"		21°22'07"N 157°58'51"W
(42/03 CG14)			



Chart 71251 (Panel A)

(A)

NM 50/03

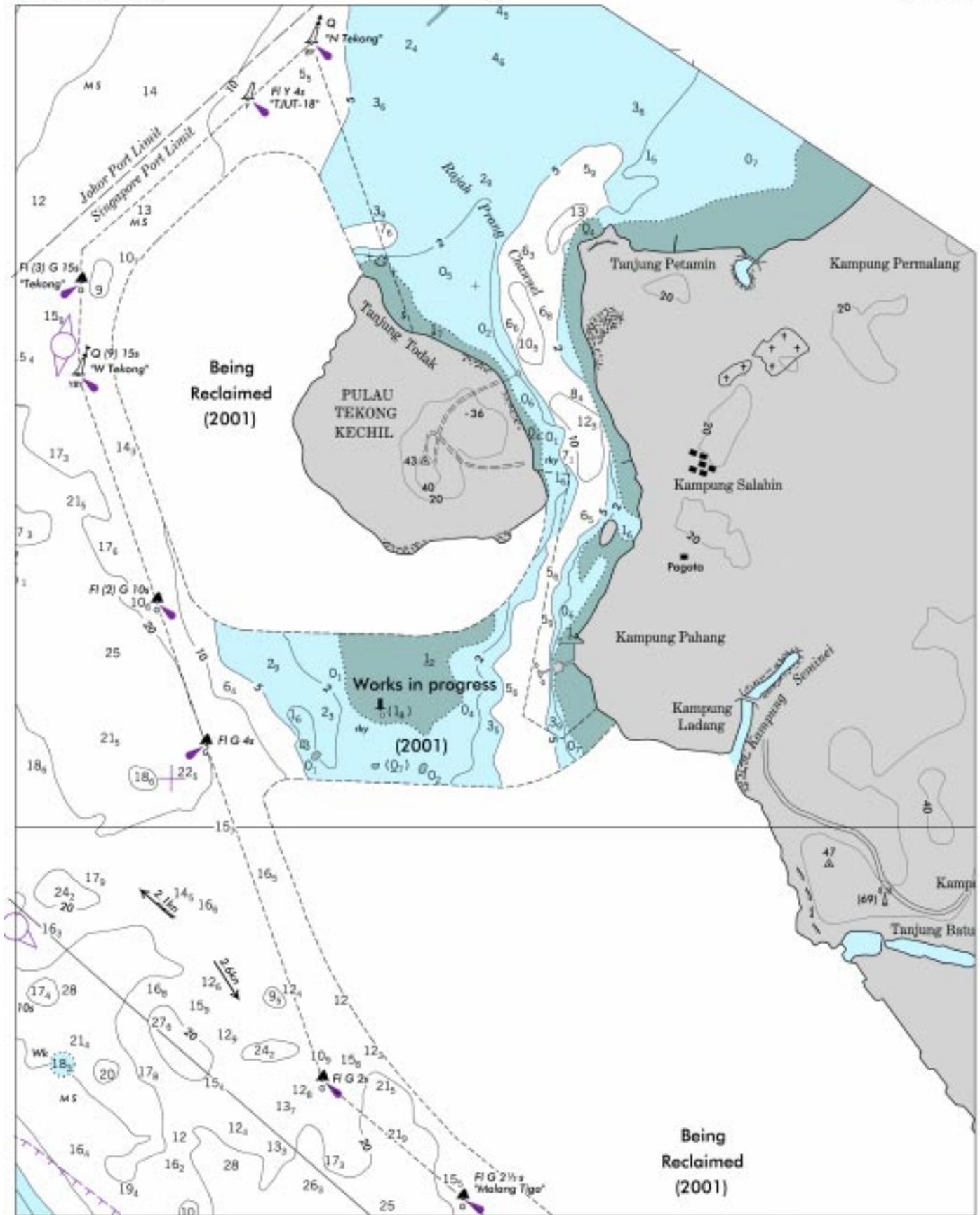


Chart 71251 (Panel A)

(B)

NM 50/03

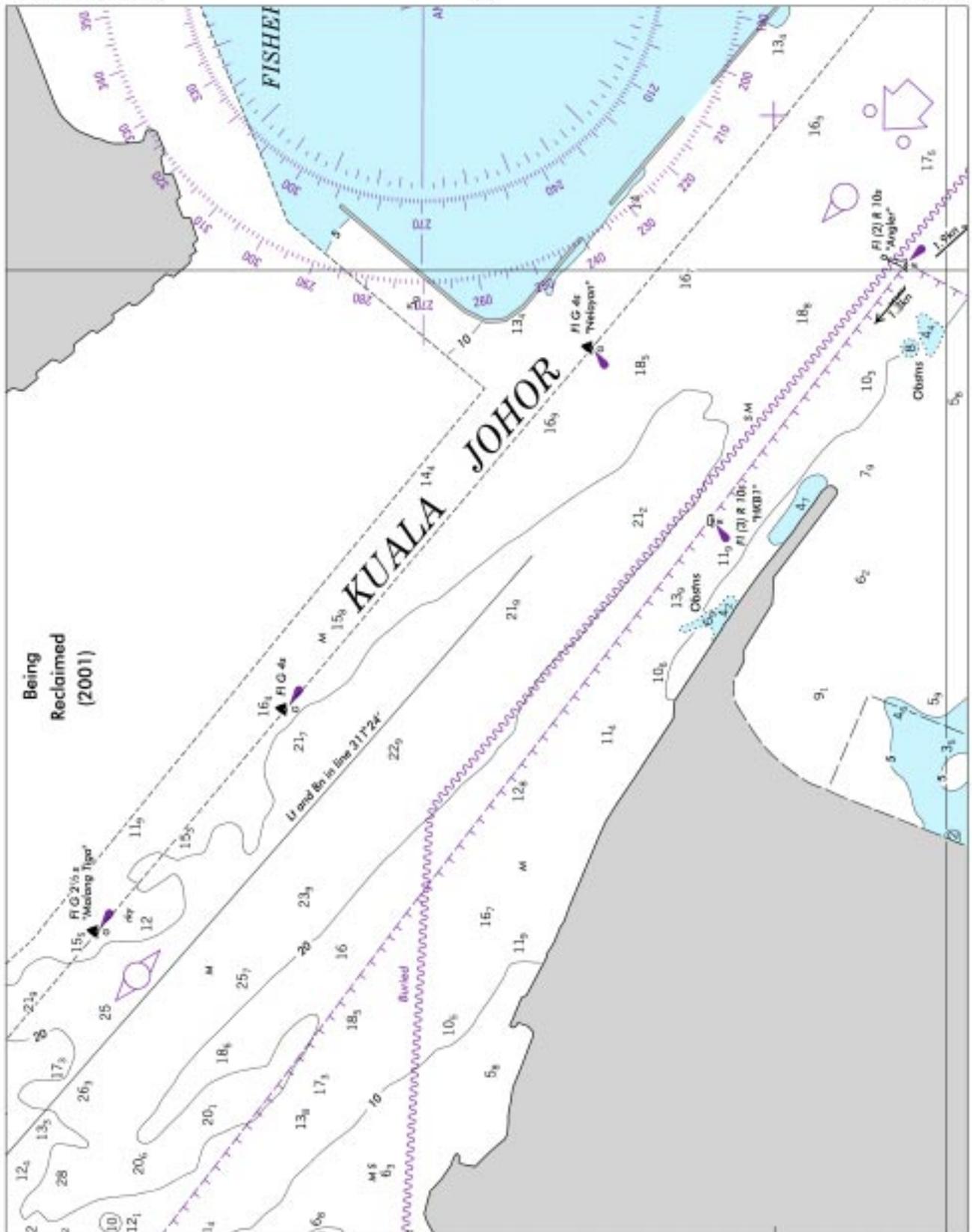
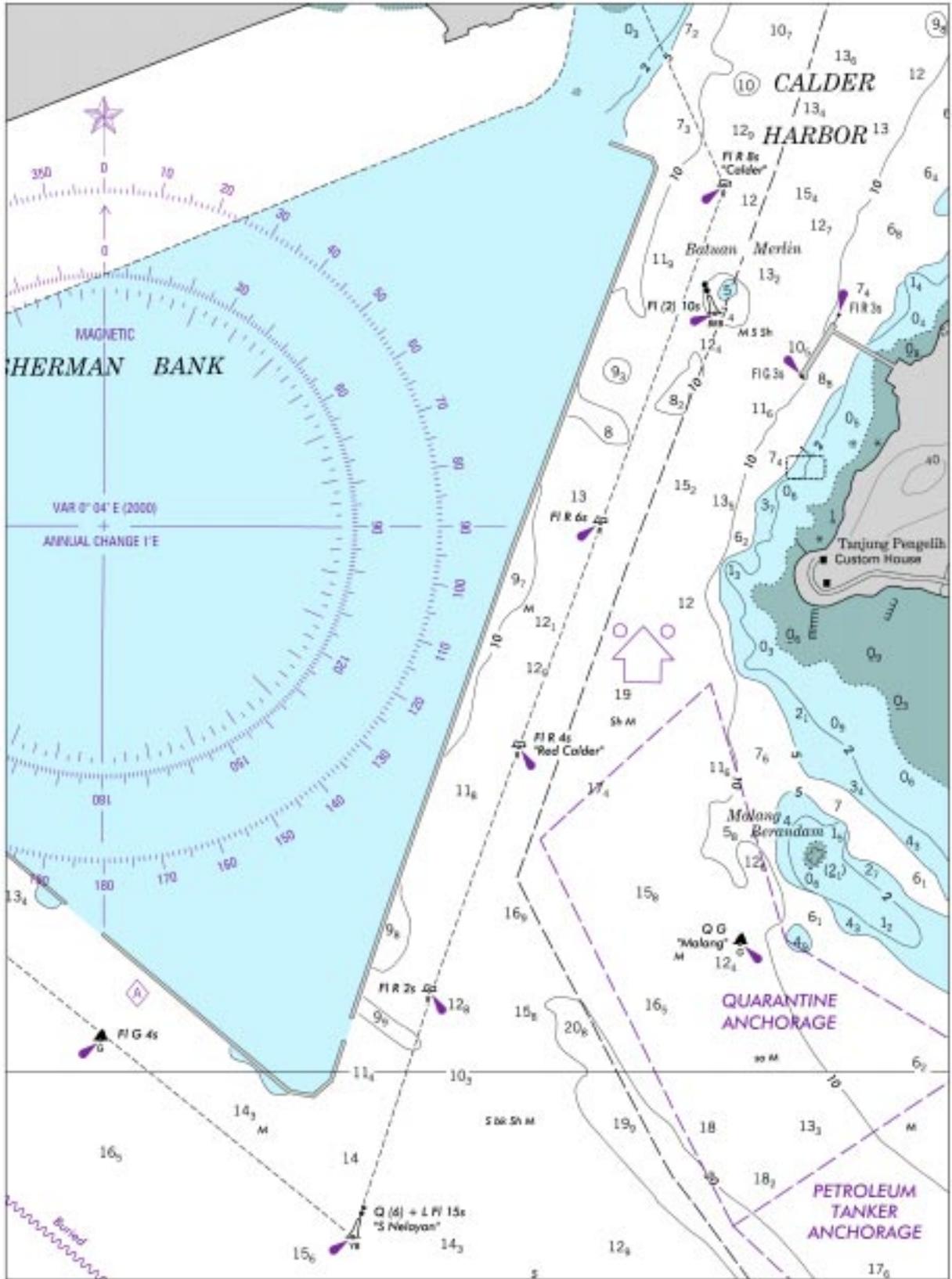


Chart 71251 (Panel A)

(C)

NM 50/03



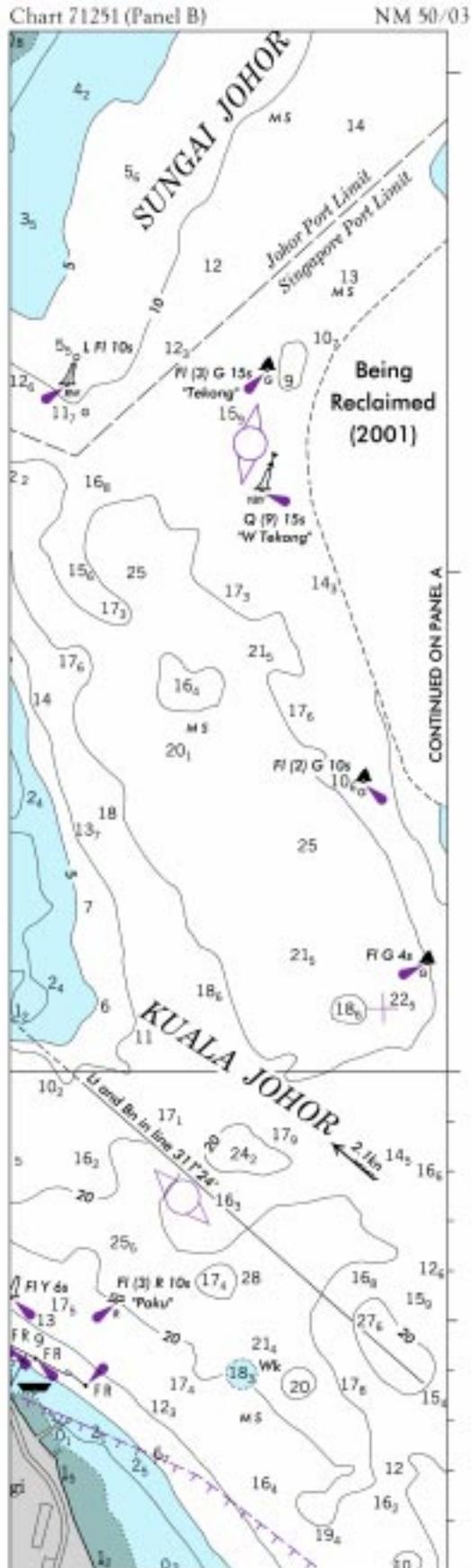
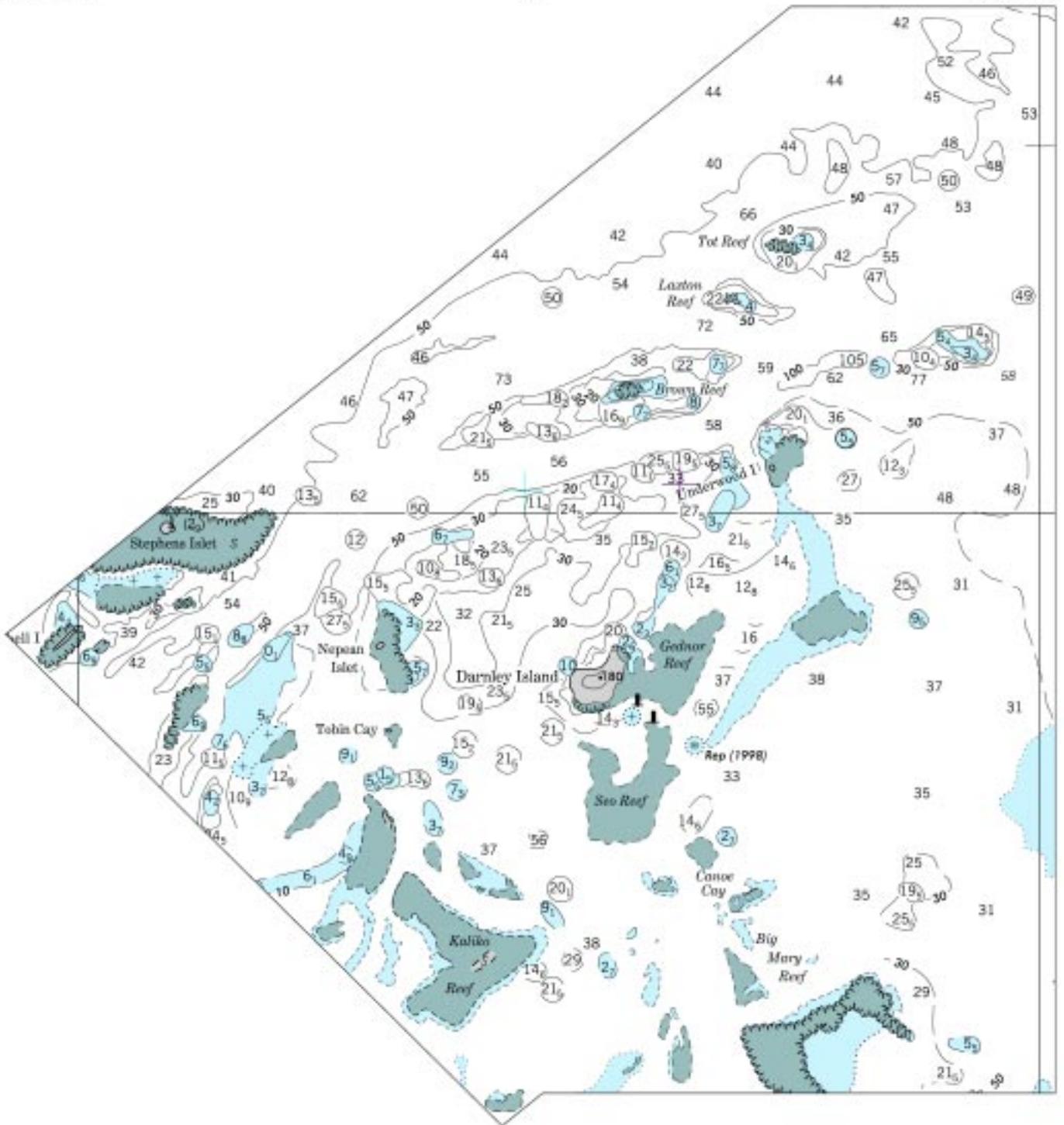


Chart 74285

(A)

NM 50/03



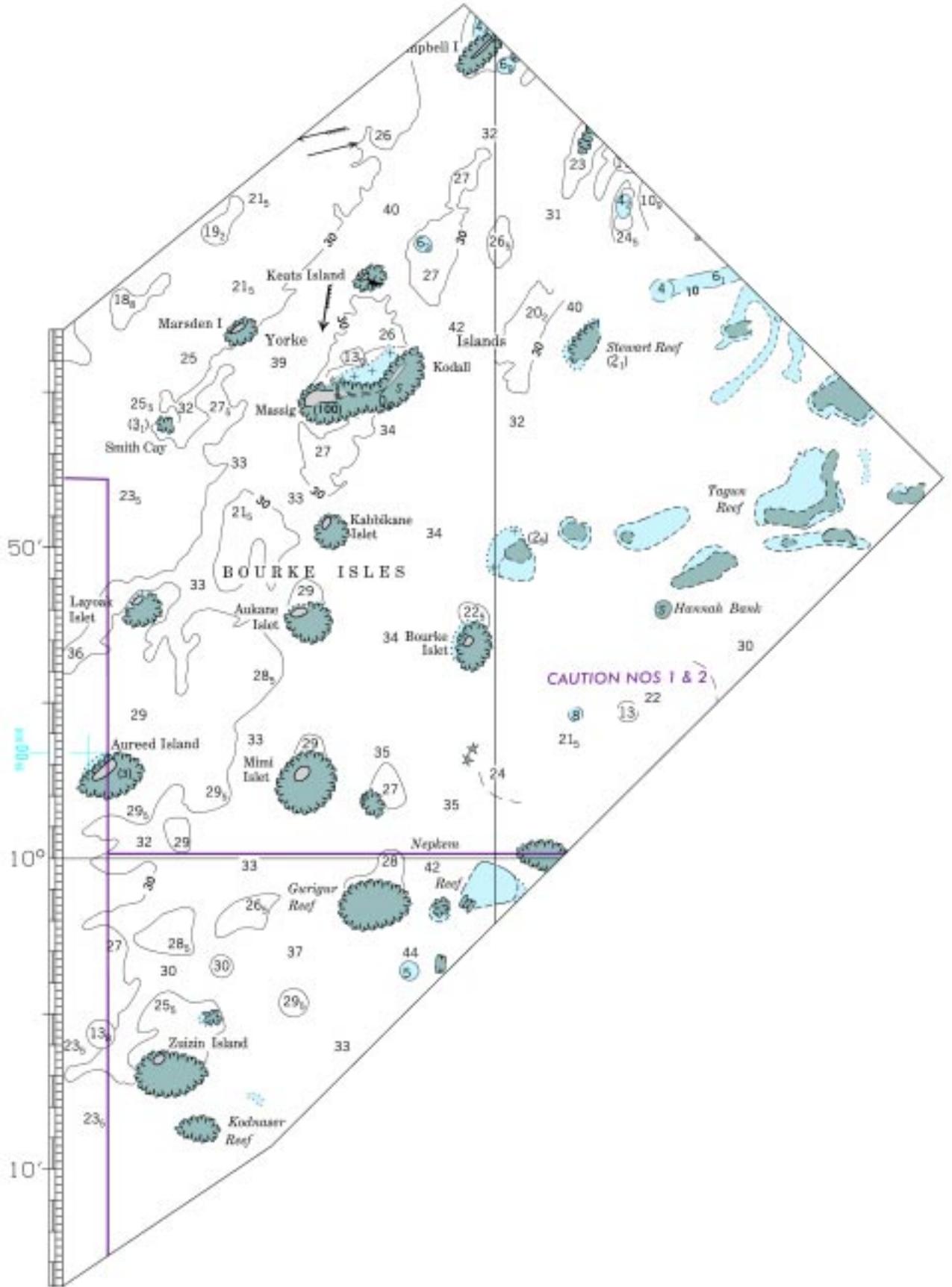
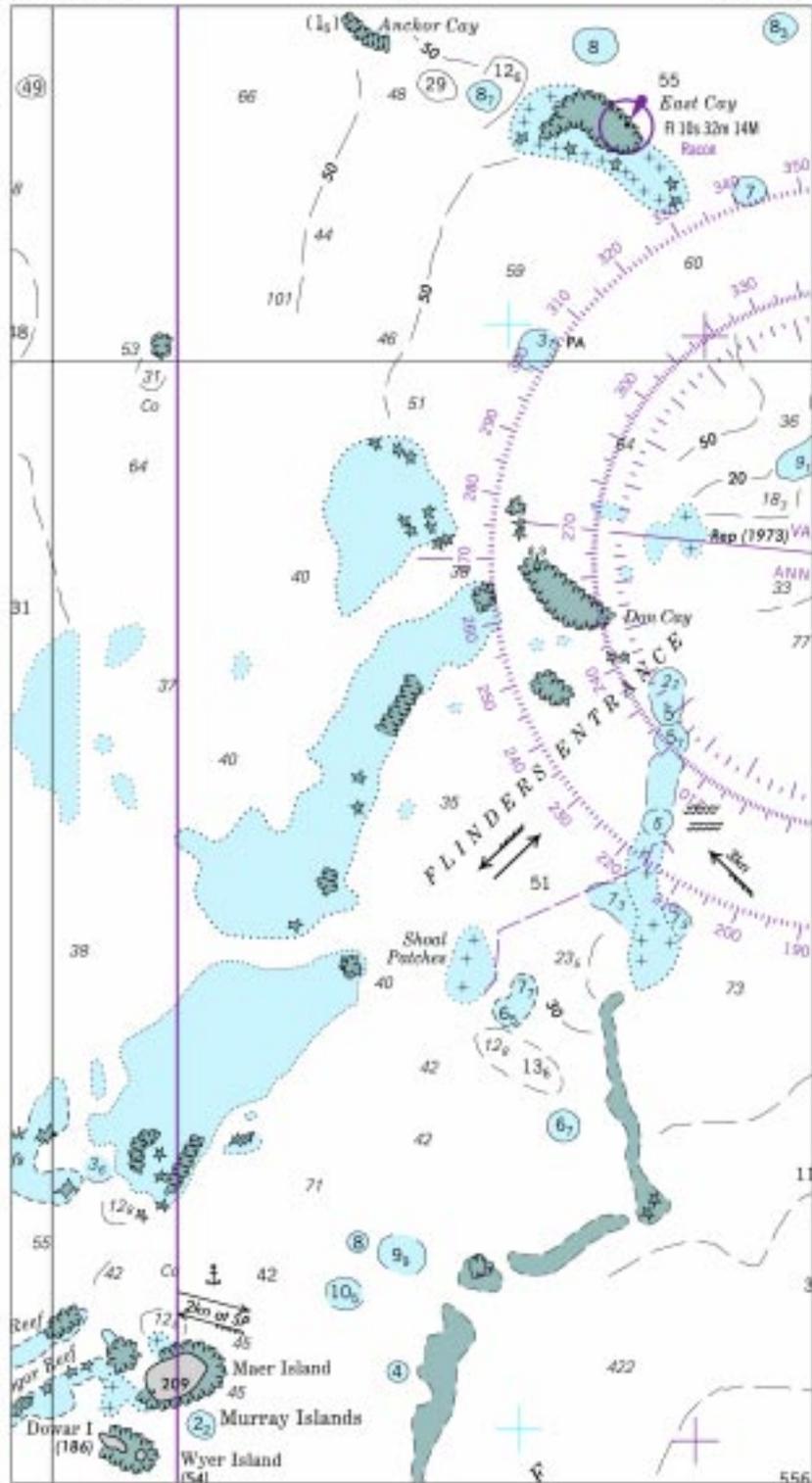


Chart 74285

(C)

NM 50/03



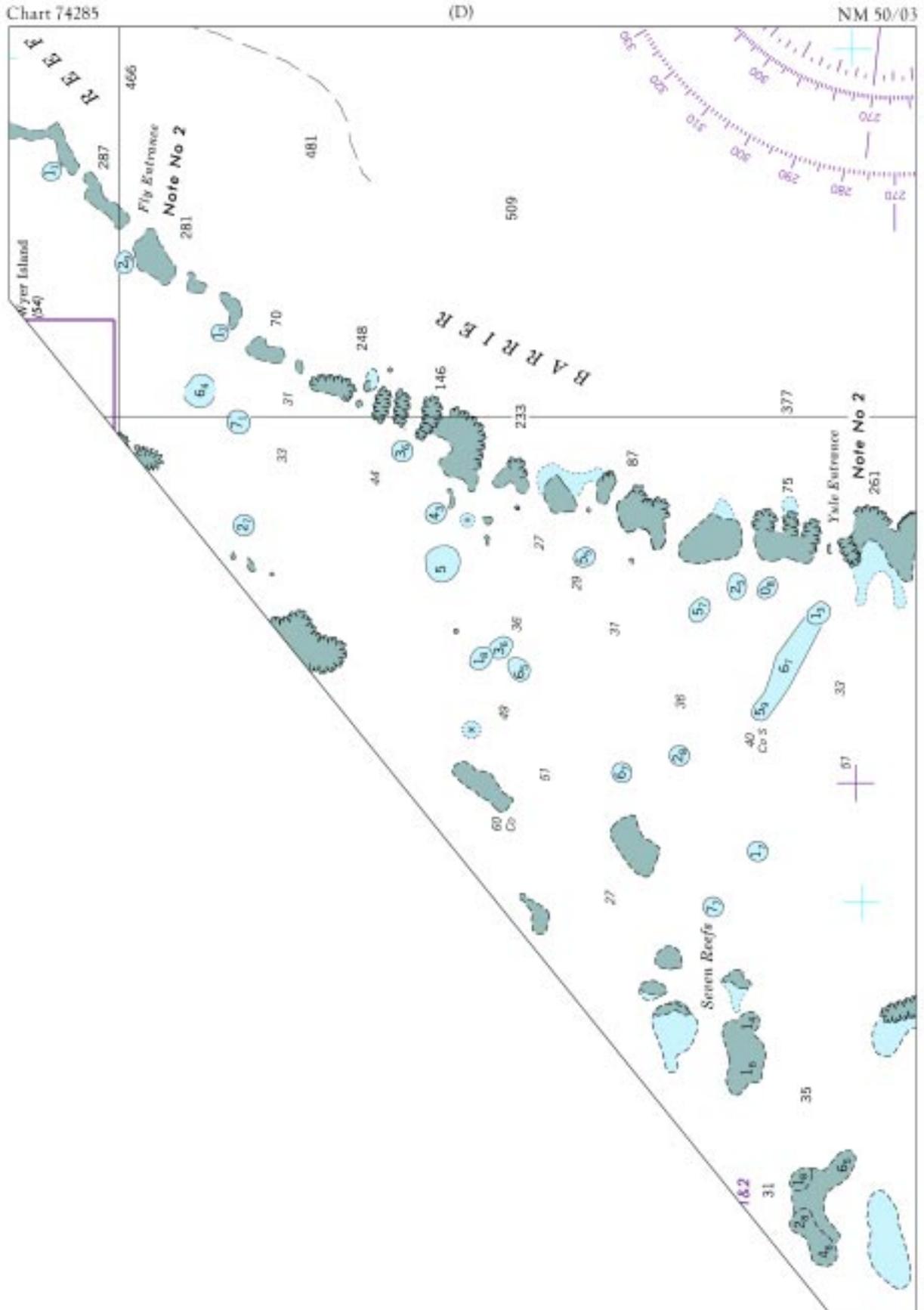
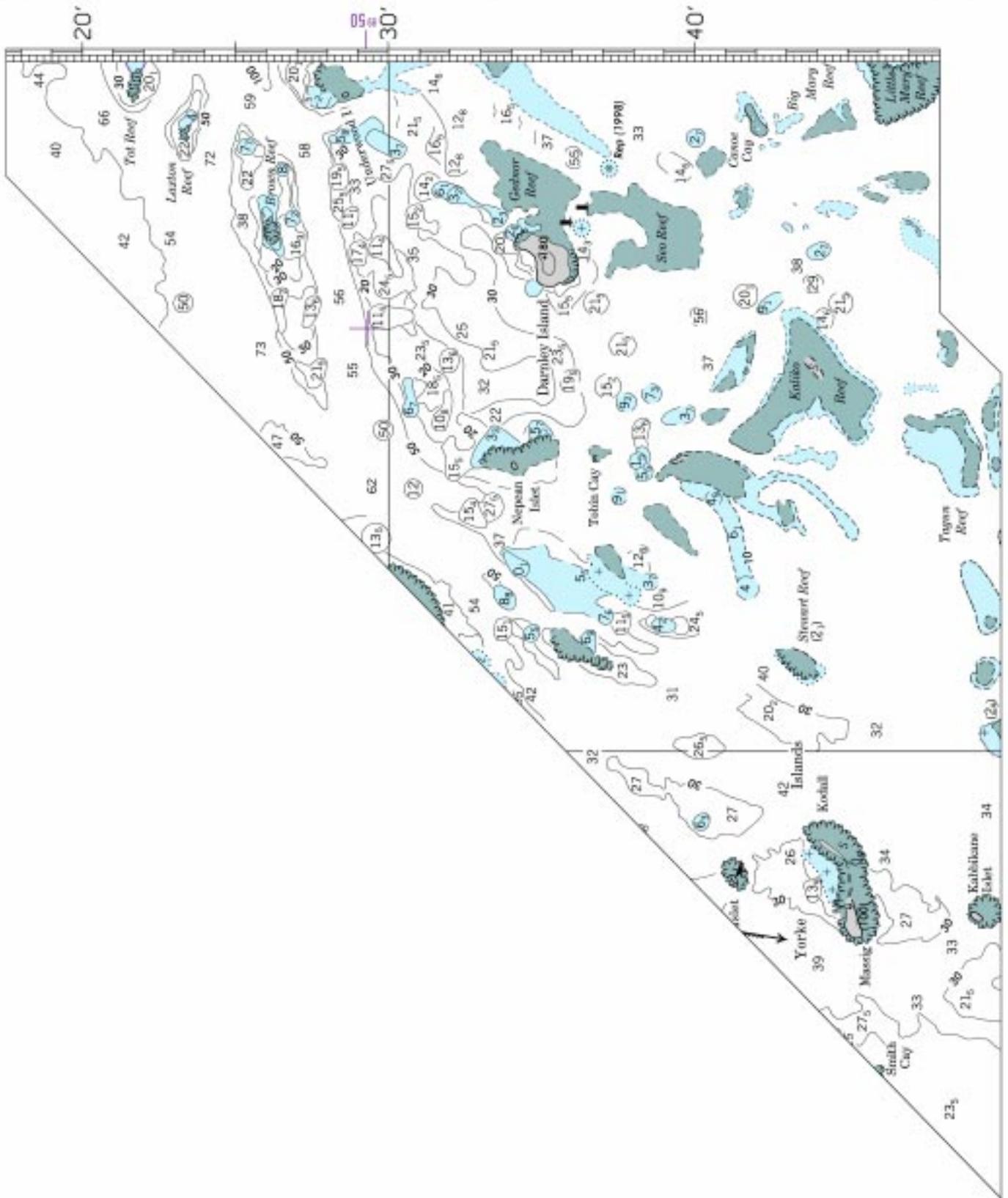




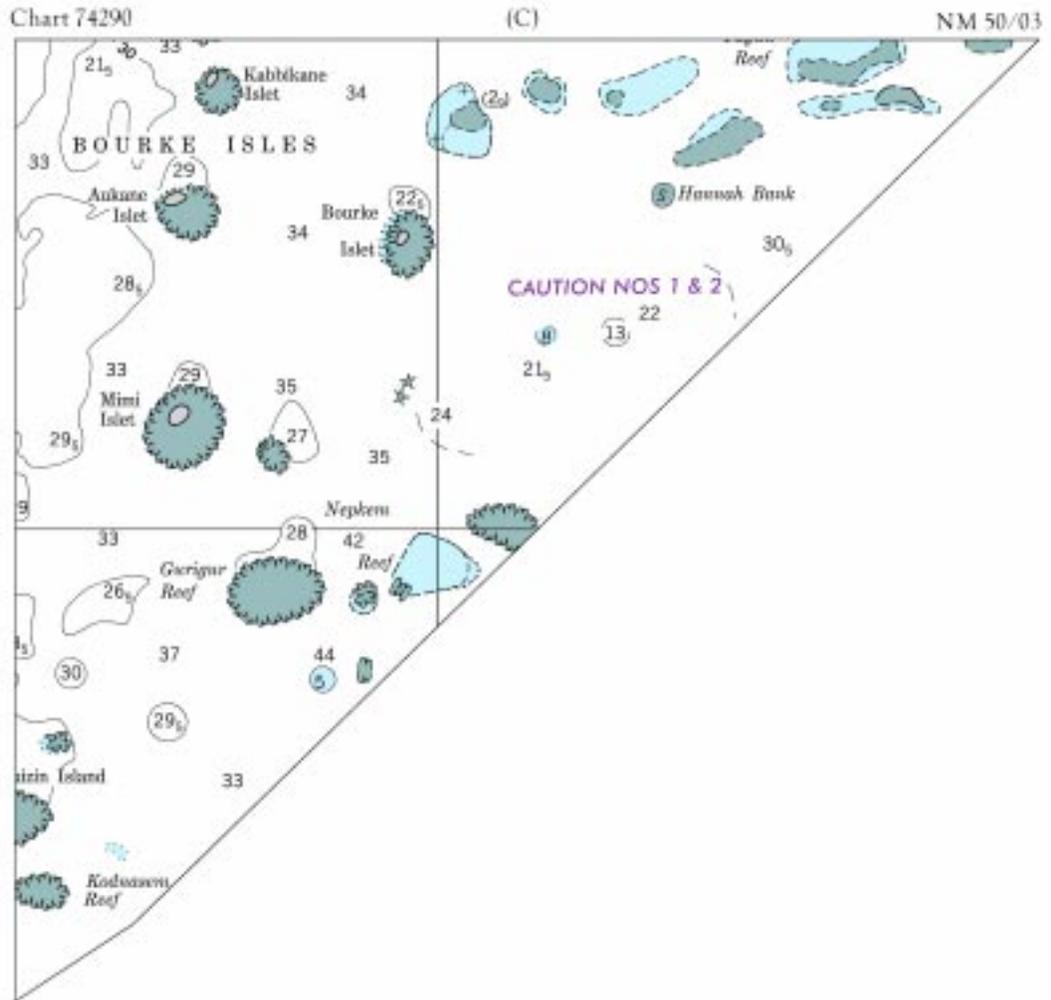
Chart 74290

(A)

NM 50/03









SECTION I

NM 50/03

Chart 11363

NM 50/03

MISSISSIPPI RIVER - GULF OUTLET CHANNEL					
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO SEP 2003					
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	WIDTH (FEET)	DATE OF SURVEY
LT. BUOY 1 (29°25'27"N, 88°59'31"W) TO LT. BUOY 20 THENCE TO END OF JETTY OPPOSITE LIGHT 62	38.0	36.0	34.0	600	7,8-03
THENCE TO INTERSECTION WITH G. I. W. W.	28.0	33.0	26.0	500	6,7,8-03
THENCE TO INNER HARBOR NAVIGATION CANAL	26.0	32.0	22.0	500	6,7,8,9-03
	26.0	28.0	29.0	500	8,9-03
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGING CONDITIONS SUBSEQUENT TO THE ABOVE					

Chart 11364

NM 50/03

MISSISSIPPI RIVER - GULF OUTLET CHANNEL					
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO SEP 2003					
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	WIDTH (FEET)	DATE OF SURVEY
LT. BUOY 1 (29°25'27"N, 88°59'31"W) TO LT. BUOY 20 THENCE TO END OF JETTY OPPOSITE LIGHT 62	38.0	36.0	34.0	600	7,8-03
THENCE TO INTERSECTION WITH G. I. W. W.	28.0	33.0	26.0	500	6,7,8-03
THENCE TO INNER HARBOR NAVIGATION CANAL	26.0	32.0	22.0	500	6,7,8,9-03
	26.0	28.0	29.0	500	8,9-03
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGING CONDITIONS SUBSEQUENT TO THE ABOVE					

Chart 11369

NM 50/03

MISSISSIPPI RIVER - GULF OUTLET CHANNEL					
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO SEP 2003					
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	WIDTH (FEET)	DATE OF SURVEY
LT. BUOY 1 (29°25'27"N, 88°59'31"W) TO LT. BUOY 20 THENCE TO END OF JETTY OPPOSITE LIGHT 62	38.0	36.0	34.0	600	7,8-03
THENCE TO INTERSECTION WITH G. I. W. W.	28.0	33.0	26.0	500	6,7,8-03
THENCE TO INNER HARBOR NAVIGATION CANAL	26.0	32.0	22.0	500	6,7,8,9-03
	26.0	28.0	29.0	500	8,9-03
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGING CONDITIONS SUBSEQUENT TO THE ABOVE					

SECTION I

NM 50/03

Chart 11491 (Side A)

NM 50/03

ST. JOHNS RIVER CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2003 AND SURVEYS TO JUL 2003								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
ST. JOHNS BAR CUT RANGE, EAST SECTION	37.6	38.0	41.1	36.0	11-00	800	2.1	42
ST. JOHNS BAR CUT RANGE, WEST SECTION	32.6	37.5	37.1	31.9	11-00	800	1.5	38
PILOT TOWN CUT RANGE	26.0	39.0	39.1	35.7	11-00	950	1.0	38
MAYPORT CUT RANGE	37.5	39.1	39.2	36.4	11-00	1050	0.7	38
SHERMAN CUT RANGE	38.4	39.9	38.7	33.4	11-00	950-650	0.5	38
MILE POINT LOWER RANGE AND TURN	38.2	37.6	35.9	28.4	11-00	650	0.9	38
TRAINING WALL REACH	38.3	37.9	38.3	35.8	11-00	650-500	1.1	38
SHORT CUT TURN	34.4	40.0	41.3	40.7	11-00	600	0.4	38
WHITE SHELLS CUT RANGE	34.5	37.5	38.9	40.4	11-00	580-1280	0.7	38
ST. JOHNS BLUFF REACH	36.4	37.3	36.5	34.5	11-00	1200-1100	0.6	38
DAMES PT.-FULTON CUTOFF	41.8	41.1	42.0	40.3	7-03	1280-500	2.7	38
DAMES PT. TURN	37.8	32.2	38.0	36.0	8-01	900-1200	0.4	38
QUARANTINE I. UPPER RANGE	38.4	38.6	38.8	37.7	8-01	1000-550	0.7	38
BRILLS CUT RANGE	38.8	39.5	38.9	36.3	8-01	550-450	0.8	38
BROWARD POINT TURN	31.5	39.1	39.0	38.7	8-01	625-850	1.0	38
BLOUNT ISLAND CHANNEL	31.6	32.1	30.2	26.8	7-03	300-800	1.7	30

NOTE: THE RANGE LIGHTS DO NOT IN EVERY INSTANCE MARK THE CENTERLINE OF THE CHANNEL.  
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11491 (Side B)

NM 50/03

ST. JOHNS RIVER CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2003 AND SURVEYS TO JUL 2003								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
QUARANTINE I. UPPER RANGE	38.4	38.6	38.8	37.7	8-01	1000-550	0.7	38
BRILLS CUT RANGE	38.8	39.5	38.9	36.3	8-01	550-450	0.8	38
BROWARD POINT TURN	31.5	39.1	39.0	38.7	8-01	625-850	1.0	38
DRUMMOND CREEK RANGE	38.4	38.8	38.6	35.7	7-03	650-400	1.5	38
TROUT RIVER CUT RANGE	37.5	38.8	41.2	38.2	7-03	400-500	1.0	38
CHASEVILLE TURN	35.3	38.6	38.8	35.8	7-03	500-700	0.6	38
LONG BRANCH RANGE	35.4	38.1	40.1	37.5	7-03	650-2000	0.7	38
TERMINAL CHANNEL	29.7	31.4	34.3	31.6	7-03	575-1025	2.7	34-38

NOTE: THE RANGE LIGHTS DO NOT IN EVERY INSTANCE MARK THE CENTERLINE OF THE CHANNEL.  
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18581

NM 50/03

YAQUINA BAY AND RIVER CHANNEL DEPTHS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO AUG 2003								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)	
CHANNEL ENTRANCE 44°36'23"N, 124°05'24"W TO FIRST TURN	24	28	25	7,8-03	400-300	1.3	40-30	
THENCE TO TURNING BASIN	24	27	25	4-03	300-400	1.3	30	
TURNING BASIN	16	21	23	4-03	300-1200	0.3	30	
THENCE TO YAQUINA	13	12	12	6-00	200	1.6	18	
THENCE TO END OF PROJECT	2A	07	5B	7-98;7-00;11-00	150	9.7	10	

A. SHOAL TO BARE AT 44°36'57.89"N, 123°56'34.87"W.  
B. SHOAL TO BARE FROM 44°36'49.6"N, 123°56'55.4"W TO 44°36'57.3"N, 123°56'42.7"W.  
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

## SECTION I

NM 50/03

Chart 18649

NM 50/03

RICHMOND HARBOR AND SOUTHAMPTON SHOAL CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 2003								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
SOUTHAMPTON SHOAL CHANNEL	44.9	44.7	45.0	44.3	7-03	600	1.1	45
RICHMOND HARBOR								
ENTRANCE CHANNEL	34.4	36.0	36.6	36.6	1-03	600-550	1.0	35
POINT POTRERO REACH	35.1	35.3	35.5	34.2	1-03	500-600	1.4	35
POINT POTRERO TURN	36.0	35.2	36.3	34.9	1-03	600-1250	0.6	35
HARBOR CHANNEL	35.9	36.1	36.7	35.5	1-03	850-200	0.5	35
SANTA FE CHANNEL	28.2	30.0	30.0	29.4	2-99,1-03	200	0.5	35-30
TURNING BASIN	28.6	30.1	29.1	24.1	2-99	200-500	0.16	30

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18653

NM 50/03

RICHMOND HARBOR AND SOUTHAMPTON SHOAL CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 2003								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
SOUTHAMPTON SHOAL CHANNEL	44.9	44.7	45.0	44.3	7-03	600	1.1	45
RICHMOND HARBOR								
ENTRANCE CHANNEL	34.4	36.0	36.6	36.6	1-03	600-550	1.0	35
POINT POTRERO REACH	35.1	35.3	35.5	34.2	1-03	500-600	1.4	35
POINT POTRERO TURN	36.0	35.2	36.3	34.9	1-03	600-1250	0.6	35
HARBOR CHANNEL	35.9	36.1	36.7	35.5	1-03	850-200	0.5	35
SANTA FE CHANNEL	28.2	30.0	30.0	29.4	2-99,1-03	200	0.5	35-30
TURNING BASIN	28.6	30.1	29.1	24.1	2-99	200-500	0.16	30

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 19367

NM 50/03

HONOLULU HARBOR CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO APR 2003								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
HONOLULU CHANNEL RANGE	39.0	43.0	44.0	43.0	4-03	500	0.53	45
KALIHI CHANNEL ENTRANCE	34.0	33.0	33.0	A14.0	2-99	400	1.2	23
EMERGENCY TURNING BASIN	28.0	34.0	34.0	27.0	2,3-99	400-960	0.5	35

A. LOCATED ON THE CHANNEL EDGE.

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

SECTION I

NM 50/03

Chart 19369

NM 50/03

HONOLULU HARBOR CHANNEL DEPTHS								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO APR 2003								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
HONOLULU CHANNEL RANGE	39.0	43.0	44.0	43.0	4-03	500	0.53	45
KALIHI CHANNEL ENTRANCE	34.0	33.0	33.0	A14.0	2-99	400	1.2	23
EMERGENCY TURNING BASIN	28.0	34.0	34.0	27.0	2,3-99	400-960	0.5	35

A. LOCATED ON THE CHANNEL EDGE.  
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

**CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 33/02 THROUGH NM 50/03**

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
\* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
12	1	45/02	11302	30	48/03*	11368	22	38/02*;19,21,23,30,33,34,35,45,46/03	11479	4	N35,N50/02;N6,N23,N25,N31,N34,N40/03
20	3	18/03	11305	1	N36,N46/02;N1,N6,N7,N32/03	11369	44	9*;18,19,21,27,43,50/03	11480	38	30/03*
22	1	18/03	11307	36	22,24,27,35/03	11370	24	38/03*	11481	4	42*;49/02;6,12,13,19,28,34,50/03
50	6	32*;34,40,50/03	11308	22	3*;7,10,23,25,32/03	11371	36	35*;48/03	11484	21	34/03
53	2	34,50/03	11309	37	48*;50/03	11372	30	2*;7,8,10,19,23,24,26,27,31,42,44/03	11485	33	22/03*
70	4	7,34/03	11310	1	N46/02;N22,N23,N32/03	11373	43	48*;49/03	11486	15	36/03*
71	4	7,34/03	11311	23	46/02;26/03	11374	31	45*;49,50/02;1,2,7,8,9,19,20,23,24,26,27,29,34,36,38/03	11488	24	7,17,50/03
72	4	7/03	11312	3	36,46/02;1,6,7,22,23,32/03	11375	35	1*;2,5,7,9,20,23,24,27,29,47/03	11489	34	8*;12,20,22,31,50/03
73	4	34/03	11313	22	22,27,36/03	11376	49	48*;49/03	11490	17	50/03
101	3	48/02	11314	22	17*;21,22,32/03	11377	5	38*;44/03	11491	33	34,37,38/02;12,30,34,50/03
103	5	16/03	11315	31	48/03*	11378	32	11*;12,18,20,21,22,24,26,30,38/03	11493	9	N39/02;N12,N20,N22,N31/03
108	9	35/02;34,39/03	11316	39	17*;22,26,29,34/03	11382	39	46/02*;9,25,26,37/03	11494	8	N39/02;N22/03
120	6	39/03	11317	29	37,40,49/02;16,19,20,21,23,26,29,30,34/03	11383	49	9,18,26,30,37/03	11496	9	N35/02;N1,N17,N19,N34/03
124	10	18,34,39/03	11318	1	N46/02;N6,N24,N25,N44,N50/03	11384	33	30/03*	11502	28	14,17,20,22,50/03
125	7	21/03	11319	31	17*;19,20,25,26,29,30,34/03	11385	25	49/03	11503	39	38*;39,43/02;12,14,17,20,22,31,50/03
126	39	21/03	11320	1	N22,N23,N24/03	11388	16	24,34/03	11504	15	12,22/03
145	16	39/03	11321	29	39,40,41,45/02;23,31,34/03	11389	32	33,37/02;2,7,32,42/03	11505	1	34,40,49/02;1,4,5,11,22,34,43/03
200	3	37/03	11322	28	19*;20,23,30,34,35,42,47/03	11390	22	33,34,37/02;7,21,30,32,50/03	11506	40	10*;19,22,28,34,43/03
301	1	14,21,24/03	11323	60	47*;49/03	11391	22	33,34/02;7,21,32,50/03	11507	31	9*;12,20/03
302	1	2/03	11324	33	47*;49/03	11392	6	34/02;21,32,50/03	11508	21	10/03*
310	20	2,14,21,24/03	11325	35	26*;38,42,47/03	11393	20	30,35,42/03	11509	27	1,11,24/03
400	3	33,35,45/02;29,33,34/03	11326	31	7*;9,16,20,21,22,23,24,30,31,33,35,38,45,46/03	11400	34	39/02;4,9,11,12,13/03	11510	18	34/02
401	5	33,35,45/02;14,29,33,34,44/03	11327	31	46/03*	11401	29	27/03	11511	16	11/03
411	49	19*;22,23,24,25,26,29,30,31,33,44/03	11328	23	43/03*	11402	21	30*;34/03	11512	59	10*;11,15,20,22,24,34,43/03
500	8	32*;34,41/03	11329	35	48*;49/03	11404	21	50/02;9,19,27,49/03	11513	23	49/02;1,24,50/03
501	12	9*;10,18,21,22,24,40,41/03	11330	15	50/03*	11405	29	38/03*	11514	26	37*;40,49/02;4,5,15,22,24,34,43/03
502	2	52/02;40,44/03	11331	18	8,19,23,30,34/03	11406	11	9/03	11516	30	43*;50/03
507	2	45/02	11332	28	42*;43,49,51/02;6,17,19,20,23,25,31,34,35,37,47/03	11408	28	3/03*	11517	17	24/03
508	2	45/02	11333	1	N35/03	11409	28	32/03*	11518	33	14*;19,28,50/03
510	3	40/03	11340	68	37*;38,45,46,49,50/03	11411	14	43*;45/02;7,20/03	11519	12	28/03*
513	6	38/02;34,50/03	11341	39	14*;17,21,22,23,25,31,34,37,38,47/03	11412	41	42*;45/02;1,6,7,11,12,13,14,20/03	11520	41	38*;39,50/03
520	127	38/02;34,40,41/03	11342	52	27*;29,31,34,35,42,46,47/03	11415	5	42*;45/02;1,2,7,14,20/03	11521	26	35/02;9,19,24,28,34,39/03
521	11	34,50/03	11343	37	48*;49,50/03	11416	5	42,48/02;1,2,6,11,12,14,20,50/03	11522	19	39/03
523	8	34,50/03	11344	35	9*;19,22,23,26,27,29,31,34,38,43,46,47/03	11423	7	N39,N42/02;N4,N8,N15,N21,N22,N25/03	11523	21	35,52/02;5,9,19,24,28,34/03
524	12	47/02;34/03	11345	31	9*;38/03	11424	18	14,25/03	11524	46	8*;11,12,13,15,17,19,20,22,28,34,43/03
525	3	40/03	11347	33	42*;43,47,49/02;4,6,7,8,19,20,21,23,25,26,27,29,31,32,43,47,48,50/03	11426	36	38/03*	11525	6	N39,N40,N44,N46,N51/02;N4,N6,N8,N24,N39,N50/03
526	10	47/02;6/03	11348	20	43*;47/03	11427	33	2/03*	11526	10	20/03*
530	30	37,38,40,52/02;6,10,18,21,22,24,34,40,41,44,50/03	11349	40	38*;42,51/02;23,26,27,31,36/03	11428	32	52/02*;6/03	11527	16	37/02;20/03
531	21	47,52/02;21,24,32,34,41/03	11350	25	43/03*	11429	21	47/02*	11531	21	11,39/03
532	17	38/02;34,50/03	11351	38	20*;22,23,25,27,30,31,34,48,50/03	11430	25	17/03*	11532	20	37/02;39,43,50/03
540	16	51/02;16,30/03	11352	36	3*;7,8,9,20,22,24,26,31,34,48/03	11434	25	41/03*	11534	32	17*;36,45,50/03
541	2	6/03	11353	2	35,38,43,45,49/02;4,5,7,18,20,21,26,27,31,34,43,45/03	11435	13	N8,N15,N21,N22,N39/03	11535	12	46/02;39/03
542	7	45/02;6/03	11354	24	26*;31,34,48/03	11438	11	7,8,21/03	11536	16	38/03*
550	5	45/03	11355	25	38/03*	11439	25	6,7,15,22/03	11537	34	21*;23,26,35,36,43,45,47/03
601	4	6,8,27,38/03	11356	35	38/03*	11441	39	36/02;6,7,15,20/03	11539	18	39,44,51/02;6/03
602	6	47/02;6,38/03	11357	36	38/03*	11442	34	38*;39/03	11541	33	8*;9,14,22,35,39,49/03
603	6	47/02;10/03	11358	52	41*;49,50/03	11443	30	7,15,39/03	11542	15	39/02
604	5	38/03	11359	11	39/02;49,50/03	11444	14	7/03	11543	22	39/02;8,38/03
605	4	6/03	11360	40	1*;2,5,6,8,19,23,24,25,26,27,29,30,34,35,37,38,49,50/03	11449	16	7/03	11544	37	36/02*;8/03
606	1	17/03	11361	70	21*;23,24,25,26,30,31,35/03	11450	8	15,22,25,39/03	11545	60	45*;47/02;6,8,14,22,23,24,35,38,39,43,49/03
607	1	17,45/03	11362	4	N33,N36,N39,N40,N47/02;N2,N5,N6,N8,N19,N23,N24,N25,N26,N27,N29,N30,N34,N35,N37,N38,N49,N50/03	11451	31	20*;22,25/03	11547	35	37,47/02;6,8,14,22,23,35,38,39,43,49/03
622	9	47/02;6/03	11363	39	47*;50/03	11453	16	7/03	11548	38	47/02*
623	9	47/02;19,36/03	11364	39	3*;4,5,8,9,18,19,21,23,25,26,27,30,33,34,35,43,50/03	11460	38	36*;50/02;6,13,15,21,23,25,31,34,39,40/03	11550	28	17/03*
632	8	45/02	11365	17	52/02*;9,32,34,50/03	11461	5	7,15,25,39/03	11553	28	8/03*
702	5	7/03	11366	7	48*;51/02;5,6,7,8,19,21,23,24,26,27,29,30,34,35,37,49,50/03	11462	24	22,25/03	11555	38	36/02*;7,24,50/03
703	4	46/02;7,44/03	11367	32	38*;45,46/03	11464	16	7,25/03	12200	47	38*;42,52/02;7,12,18/03
705	3	46,52/02				11465	36	52/02*;22,40/03	12201	25	N42,N52/02;N7,N12,N18,N24,N32/03
706	4	44/03				11466	36	30*;31,40/03	12204	35	10*;33/03
707	2	34,44/03				11467	37	47*;50/02;4,12,21,23,40/03	12205	28	43*;50/03
708	3	34,36/03				11468	39	42*;43,49/02;40/03	12206	30	50/03*
709	2	50/02;19,25/03				11469	5	35,50/02;7,9,12,21,23,31,40/03	12207	20	50,52/02;18,50/03
1113A		20*;21,22,25/03				11470	36	10*;12,40/03	12208	9	23*;28,41,50/03
1114A		39/02;4,9,11,12,13/03				11472	31	8*;25,40/03	12210	36	8*;33/03
1115A		1*;2,5,6,8,19,23,24,25,26,27,29,30,34,35,37,38,49,50/03				11474	10	6,17/03	12211	41	10/03*
1116A		37*;38,45,46,49,50/03				11475	16	51/02;13/03	12214	44	14*;19/03
1117A		28*;30,31,32,34,35,36,44,45,50/03				11476	19	6,34/03	12216	27	47/02*;19/03
5161	13	48/03*				11478	20	32*;50/03	12221	75	48*;50/03
11004	7	37,39,40,42,43,45,47,51/02;5,6,7,8,9,14,18,21,22,23,24,25,26,27,29,30,32,34,36,37,38,44/03							12222	44	26*;28,33,34,41/03
11006	31	47*;49,50/03							12224	23	8*;33,45/03
11009	36	35,44,51/02;6,12,19,39/03									
11013	45	38*;40,50/03									
11300	39	28*;30,31,32,34,35,36,44,45,50/03									
11301	23	37/02;16,24,32/03									

CHARTS AFFECTED BY NOTICE TO MARINERS  
 NM 33/02 THROUGH NM 50/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
 \* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
12225	54	22*,33/03	12373	14	2/03	13318	18	38*,41,52/02;5,6,21/03	14218		N39/03*
12226	16	7/03	12377	14	37/02	13321	9	20/03*	14219		N40/03*
12228	29	43/02*	12378	14	2,13,23/03	13323	7	5/03	14220		N39/03*
12230	60	30*,34,42,48/03	12401	7	47/02;2,13,33,41/03	13324	13	41,52/02;2/03	14221	26	40,46/02
12231	26	35,46/02;7,30/03	12402	8	33,47/02;13,34,41/03	13325	14	2,29/03	14222	16	40/03**
12233	35	3*,4,5,6,14,34,45/03	13000		N48,N49/02;N21,N26, N29/03	13326	12	41,43/02	14223	18	38/03**
12235	29	47/02;4,6,7,17,33/03	13003	47	36*,39,44,45,48/03	13392	2	6/03	14224		N39/03*
12237	27	48/03*	13006	31	36*,39,44,45,48/03	13394	3	39/02*;9,21,42/03	14225	17	39/03**
12238	37	46/02*;1,4,7,19,25,34/03	13009	30	42*,48,49/02;1,9,18,23, 36,39,44,45,48/03	13396	4	9,19,21/03	14226	32	39/03**
12241	21	34,44/02;7,34/03	13200	33	37,48/02;7,9,18,36,39,44, 45,48/03	13398	3	36/02	14227	28	39/03**
12245	62	30*,33,34,49/03	13201	10	N37,N48/02;N9,N18, N36,N39,N44,N45, N48/03	14002	57	32,34,36,37,42,49/03	14228	11	39/03**
12248	40	44/03*	13203	12	37/02;48/03	14003	6	48,49/02;5,9,12,29,39, 48/03	14229		N39/03*
12251	23	35/02;4,6,7,15,26/03	13204	12	44/03	14007		N38/03*	14230	6	43/03**
12252	23	33,34/02;4,7,10,15,17,30, 35,45,49/03	13205	36	37,42,45,48/02;1,5,23/03	14008	76	38/03**	14241	23	39/03**
12253	43	35/03*	13206	36	37,42,45,48/02;1,5,23/03	14010	5	35/02;26,32/03	14242	13	40/03**
12254	43	38*,43,44/02;30,34/03	13207	23	37/02;23/03	14024	5	33,36,39/02;12,22,36, 47/03	14243	8	39/03**
12255	15	44/02;30,34/03	13211	13	47/02;45/03	14040	65	40/02;34,49/03	14244	5	39/03**
12256	14	48/03*	13212	35	9*,13,36/03	14041	12	34,36,42/03	14245	4	39/03**
12261	28	37*,44/02;7,18,22,48/03	13213	40	14*,25,36/03	14042	3	34,42/03	14246	6	39/03**
12263	52	35*,42,44/03	13214	27	34*,45,48/02;5/03	14043	7	21,26,49/03	14247		N39/03*
12264	28	38/02*;7,42,44,48/03	13215	17	45,48/02;1,5/03	14044	44	6,47,49/03	14248		N40/03*
12266	27	20,30/03	13216	1	N48/02	14046	2	47,49/03	14249		N39/03*
12270	32	9*,18,24,25,33,42/03	13218	38	42,45,51/02;5,46,50/03	14061	27	6,9/03	14250		N40/03*
12272	29	36,45/02;13,16,30,33, 38/03	13221	53	44,51/02;2,5,7,27,46, 49/03	14062	17	32,36/03	14251		N40/03*
12273	54	47/03*	13222	36	52/02;2,46/03	14066	19	6,34,42,47/03	14252		N40/03*
12274	33	37*,50/02;5,15,17,30, 33/03	13223	36	44/02;5,27/03	14067	11	6/03	14253		N40/03*
12277	32	35/03*	13224	36	44/02;5,27/03	14081	21	36,47/03	14259	3	40/03**
12278	72	36,45/02;19,25,30,33, 38/03	13225	5	44/02;6,7,49/03	14083	30	33/02	14260	47	39/03**
12280	3	37*,43,45,46,47,50, 52/02;1,6,7,18,28,33,38, 44,45,50/03	13226	5	44/02;6,7,49/03	14085	6	49/03	14263	15	40/03**
12281	49	12,19,25,38,44,48,49/03	13227	13	7,49/03	14087	58	33/02	14264	4	40/03**
12282	34	43/03*	13228	27	39,42,45,52/02;1,7,19,48, 50/03	14088	10	41/02*;34/03	14280	37	40/03**
12283	24	8,18,25/03	13230	46	2*,7,19,50/03	14089	29	41/02*;34/03	14310	2	40/03**
12284	15	7,42,48/03	13232	4	39,42/02	14090	2	33/02	14328	6	47/03
12285	35	11*,14,19,22,34,36,45/03	13233	16	10,39/03	14091	6	41/02*	14329	5	32,47,49/03
12286	29	2*,4,6,42/03	13235	5	48/03	14105	19	47/03	14340	25	33,37,40,52/02;12,22,30, 49/03
12289	48	10*,19,22/03	13236	29	45/02;1,7,19,50/03	14110	42	32,44/03	14341	5	12,34,47,49/03
12300	43	19*,39,44,48,49/03	13237	39	27*,39/03	14111	7	14,32,34,42,44/03	14342	20	52/02;30,49/03
12301	21	N37,N39,N42,N45/02; N5,N17,N39,N44,N48, N49/03	13241	15	34,42/02	14112	5	32,42,44/03	14344	2	37,40/02;49/03
12304	43	21*,26,48/03	13242	39	48/02;7,32/03	14115	2	47/03	14345	5	37,40/02;12,22,49/03
12311	42	38*,48/03	13246	37	36*,42/03	14141	17	47/03	14349	7	42,47/03
12312	52	10*,15,24,32/03	13249	12	22/03*	14143		N38/03*	14353	3	42/03
12313	49	35*,43/03	13253	18	3*,8/03	14144	29	38/03**	14354	2	32,42,50/03
12314	30	46*,50/02;5,25,33,35/03	13260	39	36*,39,42,45/03	14145	2	47/03	14355	3	50/03
12316	29	2*,6,32/03	13263	7	N36,N43,N48,N49/02; N1,N7,N9,N18,NP21, N23,N26,N29,N36,N39, N42,N45/03	14146	2	32,49/03	14357		N52/02;N49/03
12317	31	37,50/02	13266	103	36,49/02;9,P21,26,29,39, 42,49/03	14151	2	37/02;32,34,38/03	14358		N36/02;N34,N47/03
12318	41	9*,32,44/03	13267	31	47/03*	14168		N37/03	14360	36	33,36/02;47/03
12323	23	40/02;4/03	13270	60	50/03*	14169	2	32,38,42,49/03	14373	2	34,49/03
12324	30	2*,8,49/03	13272	47	40/02;8,25,35/03	14173	2	38/03	14380	19	49/03
12326	49	35*,49/03	13274	25	43/03*	14175		N42/03*	14386	3	36/02
12327	97	48*,49/03	13275	28	45/03*	14178		N43/03*	14404	4	47/03
12331	30	8*,13,14,18,33/03	13276	22	36/03*	14178		N38/03*	14415	4	33/02;36/03
12332	21	43,46/02;13,18/03	13278	25	1,9,32,39/03	14177		N40/03*	14420	27	40/03**
12333	33	44*,49/03	13279	30	20*,32,39/03	14178		N40/03*	14500	27	52/02*
12334	66	30*,34,36/03	13282	11	21*,39/03	14180	38	42/03**	14756		N50/03
12335	40	47/03*	13283	18	1,9/03	14181	3	43/03**	14758		N32,N49/03
12337	22	45/02;13,18/03	13285	10	20/03	14183	15	38/03**	14773	16	26/03
12338	9	21/03*	13286	29	39*,40,50/02;1,9/03	14184		N32,N44,N47,N49/03	14774	16	15/03
12339	44	50/03*	13288	40	36,43,50,51/02;29,42,44, 45/03	14185	2	40/03**	14782	24	47/03
12341	26	36/03*	13290	35	39*,42,44,49/03	14186	2	40/03**	14784	19	47/03
12343	18	37/02*;7,21,27/03	13292	36	36,40/02;7,16,29,42,44, 49/03	14187	2	38/03**	14786	13	49/03
12345	10	42/02*;21/03	13293	33	43,51/02;14,27/03	14188	1	42/03	14803	26	5,49/03
12347	29	27,29,35/03	13295	11	2*,14/03	14189	2	36,42,44/03	14804	24	5/03
12348	33	27,29,34/03	13296	25	43/02;27/03	14190	2	37,42/03	14813	21	2*,49/03
12350	57	39*,49/02;29/03	13298	10	43,52/02	14191		N38/03*	14815	22	43/03
12352	30	46/03*	13301	20	33,51/02;23,42,45/03	14192		N38/03*	14816	23	5/03
12353	17	39/03	13302	21	41/02;2,7,9,32,42,45/03	14193		N38/03*	14820	19	11/03*
12354	40	38/03*	13303	12	48/02*;7,9/03	14195		N42/03*	14822	31	10/03*
12358	19	46*,49/02;1,7,10/03	13305	28	40,41,49/02;2,7,9,36, 44/03	14197		N38/03*	14823	30	1/03*
12362	16	49/02	13307	10	23,28,44/03	14198		N43/03*	14826	27	4*,49/03
12363	39	44/02;6,23,27,32,36/03	13308	11	40/02	14200	2	38/03**	14829	5	49/03
12364	34	20*,23,25,27,32,36,39/03	13309	28	42/02*;9,32/03	14201	15	38/03**	14830	30	31*,34,47/03
12365	26	6,23/03	13312	21	10/03*	14203	12	42/03**	14832	34	52/02*;49/03
12366	27	51/02;20,27/03	13313	19	41,49,52/02;6,9,36/03	14204	21	38/03**	14833	25	43,49/03
12368	26	42/02*;24,25/03	13315	11	49/02	14205	7	38/03**	14835	31	39/02
12369	25	44/02;32,35,36,43/03	13316	22	28/03*	14206	20	43/03**	14836	27	42/02*
12370	18	39/02*				14208	28	38/03**	14837	27	3/03
12371	23	27/03*				14209		N38/03*	14838	3	52/02*
12372	31	45*,47,48/02;2,5,6,23,25, 36,45,49/03				14211		N40/03*	14839	36	9*,43,49/03
						14212		N38/03*	14842	13	46/03*
						14213		N39/03*	14843	22	39,51/02;43/03
						14214		N39/03*	14844	31	4/03
						14215		N39/03*	14845	26	4/03
						14216		N39*,N44/03	14846	11	39,40/02;2,43,47/03
						14217		N43/03*	14847	30	40/02;43,47/03
									14848	56	9,17,21,22/03

## SECTION I

NM 50/03

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 33/02 THROUGH NM 50/03

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Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
14850	51	7,21/03	16061	8	37,49/02;13,17/03	17401	10	1,36/03	18405	12	43/02;16/03
14852	45	19*,21/03	16200	13	36/03	17402	10	46/02*	18406	5	16/03
14853	14	26/03*	16206	7	46/03	17405	14	12,25,46/03	18409	8	41/03
14854	13	17/03	16220	5	36/03	17406	6	25/03	18411		N16,N20/03
14864	26	37/02	16300	8	52/02;3,8/03	17409	10	39/02*;44/03	18412	10	20/03
14865	16	4/03	16305	9	8/03	17412	2	49/03	18413	15	20,22/03
14867	26	39/03*	16322	7	8,46/03	17413	2	43,50/02;10,44/03	18414	9	20/03
14871	2	34/03	16363	12	38/02*	17414	3	41/02	18415	8	42/02;7,22,32,39,47,50/03
14873	2	35/02	16381	8	8,25/03	17416	3	10,14/03	18416	6	P44,48/02;22,46/03
14880	30	33/02;4/03	16420	10	46/03*	17420	26	36,37,42,43,50/02;1,10,12,14,20,36/03	18418	6	15/03
14881	31	33/02	16423	2	47/03	17422	8	52/02*	18419	11	47/02;12,46/03
14885	20	51/02	16431	7	50/03*	17426	13	37/02;1,16,20/03	18420	1	22,47,49,50/03
14886	11	41/03*	16440	13	37/02	17427	7	21,36/03	18421	46	50/03*
14901	14	52/02*;5/03	16441	7	37/02	17428	7	5,36,43/03	18423	33	1*,5,7,9,15,18,30,32,34,36,38,39,43,45,47,49/03
14902	28	4/03	16442	7	41/03*	17429	2	N38/02*	18424	25	7,45/03
14903	23	31/03*	16480	10	38/02;34,50/03	17430	10	5,36/03	18427	21	35/02*;7,19,45/03
14904	26	40/03*	16500	9	9,33/03	17434	11	5,36,43/03	18429	9	3*,22/03
14905	30	45/03*	16520	21	2,31,33/03	17435	16	40,49/03	18430	7	6,7,22,49/03
14906	23	5/03	16528	16	9,33/03	17437	6	20/03	18431	6	2/03*
14909	19	49/03	16529	14	50/02;9,33/03	17438	12	50/02;10,14,15,21,36/03	18432	5	14/03*
14910	23	17/03*	16530	6	50/02;33/03	17441	7	10,15/03	18433	5	2*,22,32,36/03
14911	20	4/03	16535	12	2,21,31/03	17443	12	10/03	18434	4	P44,48/02;6,9/03
14912	17	31/03*	16549	15	41/03*	17445	2	10,14,36/03	18440	26	3*,15,18,22,28,30,32,34,38,45,47/03
14913	18	31/03*	16553	3	17/03	17446		N10/03	18441	43	39*,45,47/03
14915	25	28/03*	16556	4	8/03*	17460		N5,N36,N49/03	18443	15	39/02;6,34/03
14916	10	45/02*;17/03	16561	1	29,35,44/03	17465	4	6,12/03	18444	15	39/02;34/03
14917	23	3/03	16566	10	29,44,49/03	17470		N23,N41/03	18445	29	33,39/02;6,7,9,10,15,18,22,25,28,34,36,38,42,45,47/03
14918	26	17/03	16568	12	39/02*	17471		N6,N47/03*	18446	16	47/03*
14922	19	51/02;9/03	16575	1	39/02	17472	4	5,14,36,41/03	18447	26	52/02;6,7,10,18,47/03
14924	27	5,49/03	16576	4	47/03*	17480	4	43/02;5,10,36/03	18448	32	33/02;10,15,22,34,36,45/03
14926	10	32*,47/03	16580	11	39/02	17482		N7,N14,N41/03	18449	18	50/03*
14927	24	35,37/02;47/03	16590	10	38/02*	17483		N41/03	18450	17	9*,44/03
14928	21	4/03*	16592	9	16/03	17484	3	41/03	18452	16	34,38/03
14929	24	14/03*	16593	11	14/03*	17485	4	41/03	18453	24	14*,25,36,38,42/03
14930	24	45/02	16594	13	2/03	17489	19	43/02	18455	2	N39/02;N15,N34,N38/03
14931	24	35/02*	16595	14	2/03	17495	2	43/02	18458	15	19*,28,34,38/03
14932	23	26/03*	16596	12	39/02*	17503	4	43/02	18459	5	N39/02;N9,N15,N28,N34,N38/03
14933	24	35*,37/02	16597	8	43/02	17513		N42,N43/02;N15/03	18460	11	2*,6,7,43/03
14934	27	17*,26/03	16598	9	43/02	17515	7	6,15,16,36,43/03	18464	23	24*,30/03
14937	24	52/02*;2,17/03	16599	6	43/02	17517	8	6,15,16,34/03	18465	35	2*,15,30/03
14942	25	35/02	16603	8	48/03*	17518	7	P44,48/02;16,18,20,41,47/03	18468	17	7/03
14961	11	47,49/03	16606	11	37/02*;21/03	17519	13	16/03	18471	9	36/03*
14963	20	51/02	16608	4	46/03*	17520	2	N6,N16,N34/03	18473	7	4*,18,19,34,38,45,47/03
14965	21	11/03*	16640	24	21/03	17521		N15/03	18474	7	45/02*;7,10,15,22,25,34,36,38,45/03
14966	25	14*,21,49/03	16646	12	8/03	17522		N15/03	18475	1	35/03
14967	22	5/03	16660	28	42/02;6,16,47,49/03	17523		N15/03	18476	4	39/02;7,9,28,34,38/03
14970	25	40,46,51/02	16663	6	42/02;6,16,47,49/03	17524		N12,N15,N49/03	18477	5	7/03
14973	27	15/03*	16665	7	42/02;6,16,47,49/03	17525		N15,N43/03	18480	29	2*,6,7,43/03
14975	33	52/02*;43,49/03	16680	10	6,32,37/03	17526		N15/03	18484	10	40/02;15,29/03
14983	9	46/03*	16681	10	37/02*	17528		N43/02;N6,N12/03	18485	15	2*,10,29/03
14985	9	41/03*	16682	15	8*,17,19,37/03	17541	3	43/02	18500	28	39/02;12,22,28/03
14986	9	46/03*	16683	9	3,6,17,32,37/03	17542	6	47/02	18502	84	39,42,49/02;9,21,28,29,42,47/03
14988	10	41/03*	16700	28	40*,43,50/03	17543	17	41/02;43/03	18504	65	19*,35/03
14995	11	52/02*	16701	19	37/03*	17545	13	43,47/02;43/03	18520	24	33,39/02;22/03
15043	3	34,47/03	16702	11	37/03*	17546	22	42,43,47/02;24,34,35,43/03	18521	69	34*,39,49/02;4,10,12,21,22,24,29/03
15044	3	34,47/03	16705	19	49/02;16,43/03	17548	28	16,43/03	18523	53	33/02;4,12/03
15046	4	47/03	16707	10	34,37/02;16,20/03	17549	6	47/02;15/03	18524	33	33/02;4,6,10,24,29,47/03
15061	3	50/03	16708	25	37,49/02;16,20,50/03	17550	4	42,43,P44,45,47,48,52/02;43/03	18525	33	33/02;4,9,29/03
15064	1	50/03	16709	22	49/02	18000	8	45/02;6,10,21,36,44/03	18526	55	33/02;4,18,29/03
15066	5	32,47/03	16712	1	16/03	18002	6	N45/02;N2,N6,N10,N21,N36,N44/03	18527	21	48/03
15067	2	47,49/03	16713	2	49/02	18003	19	22*,41,43/03	18528	10	52/02*;18/03
15069	4	47/03	16741	9	46/02	18005	4	N34/02;N6,N10,N13,N21,N26,N40/03	18529	10	52/02*
15070	3	49/03	16760	10	51/02;28/03	18006	3	N6/03	18531	20	34/02;9,10,48/03
15080	1	47/03	16761	16	28/03	18007	31	33,34,37,38,39,40,47,52/02;18,22,24,26,35,41/03	18532	20	10/03
15160	5	50/03	17003	4	47,52/02;24,35,36/03	18008	7	N33,N34,N37,N38,N39,N40,N47,N52/02;N18,N22,N24,N26,N35,N37,N41/03	18535	15	50/03*
15163	2	50/03	17005	10	41,45,47,52/02;24,34,35,43/03	18009	2	N34/02;N6,N13,N26,N40/03	18548	5	8/03*
15313	1	15/03	17008	12	43/02;36/03	18010	20	33,34,37,38,39,40/02;6,13,26,33,40,47/03	18558	37	39/02;48/03
15562		N41/02;N16/03	17300	30	52/02*;21,39/03	18012	33	34,37,45/02;6,10,13,21,25,33,35,36,40,43/03	18561	11	33,39/02;10/03
15569		N23/03	17302	18	51/02;49/03	18400	44	41*,43,47,49/03	18580	21	33,38,39/02
15570		N23/03	17303	9	37/02	18401	12	34/03	18581	17	49/02*;4,36,50/03
15585		N14/03	17315	23	2*,16,21,25/03	18403	21	6,20/03	18583	38	33,42,49/02;12,43/03
15690		N35/03	17316	20	3,25/03				18584	47	39,49/02;4,6,30,48/03
15880		N41/02	17318	5	39/03				18587	68	33,39,42/02;4,6,9,10,21,27,36/03
15946		N47/03	17320	15	13,29,34,39/03				18588	37	22*,36/03
15954		N47/02*	17323	10	13,22,29,39/03				18589	15	44/03
16003	16	13,36,48/03	17324	13	39/03				18600	14	33,37,38,40/02;44,47/03
16004	11	13,17,48/03	17325	7	29/03						
16005	9	36,48/03	17327	21	46/03*						
16006	33	6,32,35,36/03	17360	33	31*,36/03						
16011	35	38/02;8,29,31,32,35,44,50/03	17372	11	48/03*						
16012	21	38/02;34,50/03	17375	20	50/03						
16013	28	52/02;21,29,32,34,35,41,44/03	17382	15	20*,36/03						
16016	19	34/03	17383	1	49/02;8/03						
16041	8	48/03	17384	7	44/02						
16042	7	39/02*	17385	14	14/03*						
			17400	16	36/02;10,12,44/03						

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 33/02 THROUGH NM 50/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
\* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
18601	13	10/03	19359	10	12,16,47/03	22121	9	34,36,44,52/02;29,32,47/03	22427	1	N43,N44,N46,N50/02;N11,N23,N25,N26,N40/03
18602	12	26*,47/03	19360	1	N37,N51/02	22124	2	34,52/02;6,29,32/03	22429		N46/02;N10,N14,N17,N19,N27/03
18603	16	9*,10/03	19361	7	30/03	22125	1	36/02	22430	6	19/03
18620	23	35/02*	19362	12	49/02	22126	1	36/02	22433	3	39,47/02;11,14,35/03
18622	52	49/02;21,25,27,35/03	19366	36	49/02;5,50/03	22130	2	44/02;14,17,29,32,38/03	22434	2	35/03
18623	11	34/02	19367	37	49/02;10,50/03	22138	2	41,44,48/02;6/03	22436	2	39/02;10,14/03
18626	15	37/02;10/03	19369	5	49/02;10,36,50/03	22140	2	34,36,44/02;25,47/03	22440	1	19/03
18640	24	26,38,42/03	19379	1	N51/02;N5,N13,N30,N46/03	22142	2	39,41,43/02;25,40,47/03	22471	31	44/02
18643	17	26*,33,41,43/03				22143	4	26*,29/03	22481	35	43,44/02;19/03
18645	24	50/02;33,38/03	19380	14	51/02;5,13,30,46/03	22145	2	N41/02;N25/03	22482	16	44,50/02;23/03
18647	15	2/03*	19381	8	49,51/02;26/03	22160	2	34,39,41,48,52/02;25/03	22492	3	34/03
18649	63	48*,50/03	19382	15	26/03	22170	3	39/02;6/03	22521	3	12,17,34/03
18650	52	47/03*	19383	17	49/02;5/03	22172	8	48/02*;4,6,29/03	22523	3	12,17,34/03
18651	42	15*,48/03	19387	9	N46/03	22173	36	48/02*;6,17,29/03	22529	3	12,17,35/03
18652	32	36*,40,43,46,48,49/03	19388	2	N46/03	22180	2	34/02;32/03	22531	2	12,17,35/03
18653	9	36,38,41/02;4,6,21,43,50/03	19401	8	10/03*	22181	16	39,41/02;29/03	23010	4	38/02
18654	42	38,49/02;12,16,35,46,48/03	19402	6	9/03*	22182	6	34/02;14,29/03	23020	4	22/03
18655	58	49/02;12,16/03	19421	7	8/03*	22183	3	32/03	23030	6	38/02;21,22,37,42/03
18656	53	19*,21,33,40,43,48/03	19441	7	28/03*	22190	2	29/03	23121	7	17,20/03
18657	18	4,21,40/03	19442	5	14*,26/03	22205	2	12,18/03	23122	8	33/02
18658	29	4,21,33,40/03	19461	7	10/03*	22221	20	12,31,34/03	23123	4	17/03
18659	14	49/02;7,16,21,43,48/03	19483	6	11/03*	22222	1	4,12,31/03	23131	7	12,22/03
18660	2	29*,43,49/03	21005	5	45/02;2/03	22225	2	12,18,40/03	23141	7	34/02;22,37/03
18661	27	15*,16,43,49/03	21008	62	39,42,43,50/02;1,2,36/03	22232	29	13,18,25,37/03	23142	10	8,37,47/03
18662	20	7,43,44/03	21011	5	2/03	22250	2	42/02;12,18/03	23145	3	37/03
18663	5	14*,43/03	21014	72	42,50,52/02;2,3,4/03	22251	11	12,28/03	23150	10	37,52/02
18666	1	21,33,48/03	21017	50	41,50/02;4,5,6,9/03	22259	4	20,24/03	23151	3	12/03
18680	30	6,13,33,35,38,40/03	21020	42	41/02;5,6,7/03	22263	1	26,37/03	23152	3	37/02;12/03
18685	32	36*,46/03	21021	3	45/02;13/03	22264	2	42/02;13,18,20,24,26,37,41/03	23153	8	12,13,49/03
18687	13	8/03*	21023	41	34/02;7,8,9/03	22275	3	42/02;12,18,26/03	24004	36	41,42,46/03
18700	22	40/03*	21033	46	1,16/03	22281	9	12,18/03	24016	53	39/02
18703	25	40/03*	21036	7	1,16/03	22282	17	12/03	24024	46	18,25/03
18704	12	37/02	21120	27	47,50,51,52/02	22283	3	N12/03	24028	6	48/02
18720	31	35/02;4,6,10,12,25/03	21121	18	47/02	22284	7	N10,N38/03	24050	11	34,38,49/02;20,31,32,33/03
18721	11	35/02;6,10,39/03	21122	5	47/02	22290	4	18,30/03	24052	15	37,38/02;14,19,21,30,42,44,50/03
18723	3	6/03	21125	13	51,52/02;36/03	22293	15	18,26,37,38/03	24053	16	19/03
18724	1	22*,25/03	21126	1	50/02	22294	15	12/03	24055	6	37,49/02;14,19,21,42,50/03
18725	27	32/03*	21140	1	45,50/02;12,27,36/03	22305	2	18,24,30,34/03	24057	4	38,49/02;20,30,33,42/03
18740	40	46*,49/03	21141	23	48/02	22311	19	8/03	24058	2	37,38/02;19,22,28,29,30,42,44,49/03
18741	18	N45,N50/02;N12,N27,N38/03	21160	1	45/02	22312	2	13,30/03	24060	2	34/02;17,32/03
18744	30	37/02;35/03	21161	19	43,48/02	22313	2	44/02;8,18,38,40/03	24091	6	6,21,46/03
18746	34	34/02;5,13,41,49/03	21180	1	2,7/03	22314	1	44/02;40/03	24092	14	6/03
18749	38	40/02;5,6,16,21,26,28,31,39,41,49,50/03	21182	34	39/02	22315	11	33/03**	24100	5	46/03
18751	42	40/02;5,6,16,21,26,28,31,39,46,49,50/03	21200	1	2/03	22316	2	N10,N19,N24/03	24101	3	37,41/02
18754	17	39*,43/03	21301	13	3,12/03	22317	4	19/03	24102	3	37,41/02
18757	10	13,41/03	21342	28	41,44/02	22335	4	43/02;11,21,29/03	24110	3	35/03
18758	6	35/02*;16,33,49/03	21384	3	6/03	22341	9	21,29/03	24130	14	5/03
18760	6	N34,N35,N45,N50/02;N6,N25,N35,N36,N44/03	21401	20	7/03	22342	9	9,21,29/03	24133	6	31/03
18765	15	45,50/02;12,27,46/03	21411	27	34,44/02	22343	1	N43/02;N10,N11,N21,N41/03	24140	18	41,42,46/03
18766	7	45,50/02;12,27,36/03	21478	3	9,16/03	22344	6	N23/03*	24141	4	5/03
18768	4	N45,N50/02;N12,N27,N36,N38/03	21482	1	36,46/03	22345	11	42/02;24/03	24142	43	5,6/03
18772	47	21*,48/03	21510	1	9,16/03	22347	6	N23/03*	24150	27	41,47/03
18773	39	40*,41/03	21520	1	29/03	22351	1	N43/02;N12,N35,N41/03	24151	4	41/03
18774	10	35/02*;10,16,49/03	21521	14	29/03	22352	6	12,19,24,35/03	24152	2	41,47/03
19002	9	N37,N51/02;N16,N23,N29,N46/03	21525	19	38/03	22360	2	19/03	24153	6	39,47/03
19004	36	35,37,51/02;23,29,30,46/03	21584	2	41/03	22361	2	N10,N30,N32,N33,N34/03	24155	6	46,49/03
19007	16	51/02;16,23,29,30,46/03	21601	4	31/03	22370	2	15,19,26,30,33,34/03	24160	21	47/03
19008	4	16,23,29,46/03	21605	7	31/03	22371	5	30,32,33/03	24161	11	42/02;7,28,32,39,40,47/03
19009	4	16,23,29,46/03	21661	12	6/03	22373	1	N50/02;N10,N24,N30,N32,N33,N34/03	24162	9	42/02;6,7,28,32,39,40,42,47/03
19010	17	45*,51/02;23,29/03	22004	38	34,36,39,41,43,52/02;16,N29,N46/03	22375		N10,N15,N26,N37/03	24164	6	39,41,47/03
19013	16	51/02;29,30,46/03	22008	35	34,36,39,41,43,44,48,52/02;6,14,17,29,32,38,47/03	22377	1	N10,N13/03	24170	14	5,6,35/03
19016	9	46/03	22012	31	34/02;6,29,32/03	22379	1	N50/02;N10,N30,N32/03	24171	19	5,6,37/03
19019	9	28/03*	22032	20	19,40/03	22381	1	N43/02	24172	4	5,6/03
19320	16	35,37,51/02;5,16,23/03	22036	28	47/02	22395	2	42/02;15,19,22,26,30/03	24180	15	8,40/03
19324	22	35/02;5,23/03	22050	4	12,26/03	22401	4	N23*,N30/03	24201	5	49/03
19327	10	23,43/03	22052	6	46/02;25,34,43,47/03	22403	1	N45/02	24202	6	31,35,46/03
19330	9	27/03	22082	4	13,25,38/03	22404	15	46/02	24203	36	49/03
19331	7	23,43/03	22084	4	42/02;35,37/03	22406	1	N1/03	24210	14	42/03
19339	1	N35,N49,N51/02;N5,N13,N30,N47/03	22090	2	43/02;4,17/03	22407	1	N4,N11,N18,N30/03	24220	14	39/03
19340	26	35,49,51/02;5,13,29,30,36,47/03	22100	3	12/03	22408	1	N10,N21/03	24222	3	39/03
19347	17	29/03	22109	3	17/03	22409	4	N45/02;N10,N17,N22/03	24223	33	39/03
19348	7	29,43/03	22111	4	17/03	22410	32	43,44,46/02;19,23,40/03	24233	15	36,43/02
19353	12	27/03	22112	3	43/02;17,37/03	22413		N45/02;N22/03	24234	3	35/03
19357	22	42*,49,51/02;5,13,30,36,47,50/03	22113	8	12,17/03	22417	1	N10,N25/03	24240	5	39/02;7,39,46/03
			22114	5	42,43/02;17,33,37/03	22418	2	36,44,46/02;19/03	24250	5	39/02;7,39/03
			22117	3	37/03	22420	2	4,11,15,19,30,40/03	24251	23	34,43/02;6,39/03
			22120	3	34,36,39,41,43,52/02;29,32/03	22421	4	N43,N44,N46/02;N11,N23,N25,N26,N27/03			
			22121	9	34,36,44,52/02;29,32,47/03	22423	3	N11,N25,N27/03			
			22124	2	34,52/02;6,29,32/03	22424	2	N27/03			
			22125	1	36/02	22425	2	44,46/02			
			22126	1	36/02						

## SECTION I

NM 50/03

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 33/02 THROUGH NM 50/03

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Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
24252	5	39,43/02;6,39/03	25659	9	20/03*	28210	2	33,35,39,41/02	36062	11	40*,46/02
24260	5	34/02	25663	27	17,30,39/03	28220	2	35,39/02	36098	6	5/03
24270	3	17,29/03	25664	15	17,30,39/03	28221	18	33,37,39/02;5/03	36102	6	13/03
24271	14	17,29/03	25666	17	17/03	28223	4	35,39/02	36103	9	13/03
24274	2	17,29/03	25667	20	15/03	28260	30	35,37/02	36104	6	13/03
24290	3	36,43/02	25668	18	48/02;13,34/03	28263	3	35,37/02	36106	7	47/02;5,13/03
24291	4	36/02	25670	41	38,48,49/02;4,5,13,20/03	28264	3	35,37/02	36118	3	5/03
24292	4	36/02	25671	18	21/03*	28265	3	37/02	36120	9	46/02;5,8,16,23,27/03
24293	6	36/02;37,42,46/03	25673	15	42/02;43/03	28281	32	36/02	36123	25	46/02;11,16/03
24294	22	36/02;37,46/03	25675	9	20/03*	28282	2	35/02	36124	18	16/03
24320	4	34,43/02;6,17/03	25677	20	32*,39/03	28300	1	39,50/02	36125	7	4,30/03
24321	3	6/03	25679	10	20/03*	28302	16	33,39,40/02;12/03	36137	4	38/02
24322	6	34/02;6,17/03	25681	16	28*,34,39/03	28310	2	33,35,39/02	36138	3	39/02;4/03
24350	2	51/02;18/03	25683	18	32*,34,39/03	28320	6	33/02	36139	4	4/03
24355	2	51/02;25,37/03	25685	9	22/03*	28325	2	5/03	36140	12	36,41/02;4,10,27/03
24360	1	25/03	25687	12	30/03*	29002	9	18,29/03	36141	7	4/03
24370	1	34/02;48/03	25700	3	15/03	29015	5	16/03	36143	4	34/02;5,30,43/03
24375	2	34/02;38/03	25720	3	33/02	29040	3	39,48/03	36161	10	34,44,45,47,50/02;4,10,18/03
24376	1	38/03	25800	3	36/02	29105	5	49,50/03	36162	10	35,45,47,50/02;4,18/03
24380	2	35/02;48/03	25841	9	36/02	29107	2	29,36/03	36163	13	34,35,38,44,45,47,50/02;4,18/03
24388	2	35/02	25848	25	5,13,15/03	29127	4	29,39,42/03	36164	7	34,38,44,46/02;8,15/03
24404	8	35,44,48/02	25849	13	42/02;12/03	29141	3	29,39/03	36165	6	36,44/02;10,27,30,43/03
24405	10	35,36,44,48/02	26001	4	9/03	29142	3	7/03	36167	2	40/02
24406	30	2/03	26050	1	34/02;26,47/03	35000	26	47,48/02;14/03	36173	1	40/02
24408	21	36,44,48/02	26060	1	49/02;42/03	35008	21	45,48,50/02;5,25,27/03	36180	23	36,40,50/02;4,27,44/03
24410	2	44/02	26068	11	18,50/03	35009	19	40,41,45/02;5,10,14,49/03	36181	18	36,40,50/02;4/03
24430	5	39/02;8,11,31/03	26081	8	46/02;16,42,43/03	35011	2	48/02;1,25/03	36182	6	36,40/02;27/03
24431	14	39/02;31/03	26100	4	31/03	35036	21	36/02;10,15,27,43/03	37000	22	47,48/02;14,23,43/03
24434	4	39/02	26122	30	22/03*	35040	18	45/02;4,8,10,14,21,49/03	37005	16	41,45,47/02;5,12,13,15,23,28,29,30,50/03
24450	3	26,47/03	26125	3	41/03	35042	8	35/02;4/03	37010	23	41,45,47/02;10,12,13,15,19,23,27,28,29,30,43,50/03
24453	5	26/03	26127	21	49/02;5/03	35044	9	44/02;4,14,49/03	37025	26	38,51/02;1,24,25,27,31,33,34,36,38,41,43/03
24454	5	5,26/03	26128	50	49/02;5/03	35047	5	35/02	37032	2	1,6,25,31,38,42,43,45/03
24460	4	39,47/02;15,29,32,47/03	26129	11	41/03	35060	14	40,41/02;10,14,49/03	37033	2	47/02;33/03
24461	4	16,38,47/03	26142	10	33/02	35080	16	40/02;49/03	37034	2	8,14,33,41/03
24462	5	47/02;16,29/03	26210	2	36/02	35081	15	22,27/03	37041	15	50/02
24463	6	39/02;12,15,25,26,38/03	26218	2	31/03	35082	7	22,27/03	37042	5	41,45/02
24465	6	33,47/02;38/03	26219	5	31/03	35083	8	20/03	37043	17	43/02;43,46/03
24469	1	46,47/02;13/03	26229	11	31/03	35084	15	50/02	37044	16	45/02
24470	4	39,47/02	26230	12	31/03	35086	5	22/03	37045	11	45/02
24471	8	47/02	26240	7	9/03	35088	2	50/02	37046	18	43/02;43,46/03
24480	1	41,44,45,49/02;24,27,42,48/03	26244	3	9/03	35099	3	41/02	37050	9	42,46/02;10,12,17/03
24482	2	49/02;31/03	26245	16	51/02;15/03	35100	14	40,45/02;5,30/03	37060	3	46,50/02;9,13,18,43,46/03
24483	2	49/02	26259	2	51/02	35101	6	41/02	37061	15	36,38/02;5/03
24484	3	49/02;31/03	26261	27	8/03	35103	5	41/02	37063	21	36,50/02;43/03
24490	3	25,27/03	26262	3	8/03	35105	3	35/02	37075	3	5,18,43/03
24491	3	27/03	26282	6	22,23,34/03	35120	13	40,45,47/02;5,30/03	37080	3	33,34,38,40,42,44,45,46,51/02;1,4,7,9,14,15,18,20,21,22/03
24492	20	46/02	26290	1	21/03**	35130	3	48,51/02;5/03	37082	9	44,50/02;11/03
24501	3	27/03	26295	1	21*,22,34/03	35135	1	5/03	37084	9	38,40,43/02
24502	6	46/02;27,34,47/03	26300	7	21/03*	35136	2	48,51/02	37085	8	38,40/02
24504	7	41,45,46/02;42,48/03	26308	5	21*,22,23,34/03	35141	11	34/02	37086	8	38,50/02;4/03
24508	3	22/03*	26309	26	11/03	35143	7	34/02	37087	7	38,40/02
24509	2	45,50/02;15,25,34,42/03	26310	1	N48/03*	35144	3	11/03	37088	9	5/03
24510	2	41,45,46,50/02;42/03	26312	2	21/03	35150	3	48/02	37089	12	4,13/03
24511	2	24,42,48/03	26316	3	21/03	35155	3	25/03	37090	8	45,51/02;1,7,9,14,16,22/03
24512	3	44,46/02;24,25,38,42/03	26320	5	35/02;7,12,22,23,25,31,40/03	35163	7	44/02	37095	3	1,7,9,11,14,15,16,20,22,32,39/03
24513	18	46/02;38,42/03	26323	4	1/03	35166	4	35/02	37104	3	41/02
24517	2	46,49/02;25,40,42/03	26327	2	N41/02*;N17/03	35167	3	35/02	37106	4	32/03
25001	7	15/03	27005	4	6,8,9,22,23,34/03	35169	2	35/02	37110	11	47/02;20,25,31,32,39/03
25017	5	15,25,31,34,39/03	27040	5	9/03	35200	7	48,51/02;5,25/03	37112	1	47/02
25018	9	15,25,31,34,39/03	27041	4	50/02	35236	2	38,50/02	37115	2	33,47/02;7,25,31,32,39/03
25400	1	35,48/02	27042	21	41,42/03	35246	2	38,43/02	37119	2	43/02
25480	1	42,46/02	27060	2	22,23,34/03	35247	4	50/02	37120	2	39,42,49,51/02;4,6,21,23,24,25,26,27,30,32,39,42,43,44,45/03
25485	45	36/03	27080	4	15,22,39/03	35255	3	50/02;14/03	37121	11	25/03
25487	2	36/03	27081	6	49/02	35256	2	14/03	37122	12	48/02;19,31,44,45/03
25524	43	33/02;1,5,20,24,26,32/03	27082	6	49,51/02	35270	2	38,46/02	37123	9	49/02;6,20/03
25525	17	1,5,26/03	27083	39	28/03	35276	3	46/02	37125	15	42,49/02;6,9,20/03
25526	2	33/02;24,32/03	27084	4	13/03	35277	3	38,46/02	37126	8	41/02
25527	31	33/02;24,32/03	27100	2	8,21/03	35279	3	38/02	37127	11	49/02;4,6,20/03
25528	5	42/02	27102	11	28/03	35299	9	13/03	37129	6	39,42,49/02;4,6,20,23,24,30,42,45/03
25550	2	21/03	27120	4	41,43,44/02	35301	6	17/03	37133	4	44/02
25563	50	33/02;14,18,21/03	27142	5	9/03	35302	7	17/03	37134	5	38/02;45/03
25565	7	33/02	27160	2	8,13,35/03	35303	7	40/02;17/03			
25566	27	18,30/03	27161	4	8,13/03	35308	5	10/03			
25567	16	21/03	27163	21	49/02;8/03	35330	2	38,41/02			
25570	3	16/03	27183	8	1,9/03	35350	2	38,41/02			
25575	4	35,39/03	27186	8	1,9/03	35402	3	38/02			
25600	47	25,27/03	28004	1	45/02;8,9,22/03	36005	2	34,36,38,45,46/02;P12,14,17,24,25,27,31,43,44/03			
25607	4	39/02;48/03	28006	1	8/03						
25608	21	16,26,34,38/03	28050	3	34/02;26,42,47/03						
25613	2	25,27,47/03	28084	4	17/03**	36010	27	38/02;5,15,16,20,23,43/03			
25640	40	15,25,31,34,39/03	28150	3	8/03						
25644	13	20/03*	28154	2	38/03	36015	2	36,46/02;27,44/03			
25646	7	N42/02	28190	2	41,43,45,46/02;18/03	36040	16	1,15/03			
25649	19	44/03*	28196	4	41,43,45/02;18/03	36046	5	38/02			
25650	33	25,30,31,39/03	28197	4	45/02;18/03	36060	17	38/02;5,8,20,21/03			
25653	13	8/03*	28202	22	41,44/02	36061	5	46/02;20/03			

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 33/02 THROUGH NM 50/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
\* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
37136	6	38,46,50,51/02;30/03	37367	1	38,49/02	43182	4	47,52/02	44047	22	44/02;10,12,22,24,30,31,32,40,48/03
37137	6	46,48/02;30/03	37380	2	34,40,42,43,44,48,51/02;9,10,17,21,38,39,41,43/03	43204	4	36/03	44048	11	5,12,18,22,25,27,31,40,48/03
37139	8	1/03				43223	4	41/02	44049	9	44,46,50/02;8,14,22,24,30,31,40,48,50/03
37140	33	35,49,51/02;4,6,16,24,25,30,32,42,43,44,45/03	37400	10	34,38,40,41,44,46/02;6,10,20,31,34,36,41,43,46,47/03	43225	4	52/02	44050	21	20,31,32/03
37141	29	36,40,48,51/02;1,4,12,17,19,24,27,31,45/03				43240	4	50,51/02	44051	1	44,48,50/02;1,11,14,22,25,26,27/03
37145	23	46,50/02;4/03	37401	9	44/02;4,6,13,14,16,22,31,36,43,44,47/03	43242	4	52/02	44057	5	29,30/03
37147	15	35,36,40/02;1,10,12,16,17,19,25/03	37402	7	41,42,44,50/02;4,13,14/03	43243	4	50,51/02	44061	21	24,32/03
37148	13	35,38/02;4,10,11,27/03				43248	5	44/03	44062	8	28,40/03
37149	10	44/02	37403	23	10,41/03	43252	1	44,46/03	44063	8	17/03
37150	8	14,19,26,27,32,33,35,37,39,41,43,46/03	37420	1	34,43/02;1,7,41/03	43260	4	46,47/03	44064	19	22,28/03
37161	14	34,43/02;1,14,19,24,41,43,46/03	37421	8	14,21,41/03	43261	5	46/03	44065	7	42/02;16,17/03
37162	12	21,26,27,30,32,33,35,37,39,40,41,43,45,46/03	37423	5	14,21,41/03	43262	5	46/03	44066	10	39/02;31/03
37163	19	32,43/03	37443	2	38,45/03	43265	2	44,52/02;37,46,47/03	44067	22	16,17,28/03
37164	4	23,26,27,30,32,35,37,43,46/03	37445	2	1,34/03	43266	1	47/03	44068	11	44/02;10,11,13,40/03
37165	2	34,36/02;10,12,13,15,21,23,26,27,28,30,32,34,35,37,39,43,45,50/03	37461	9	51/02;6,20,25,36,50/03	43270	2	44/02	44069	16	11,13,17,22,23,40/03
37166	2	14,19,21,26,27,30,32,33,34,35,37,39,40,41,43,45,46/03	37463	6	1,43/03	43280	5	44/02;37,40,47/03	44070	7	28/03
37170	11	38/02;14,19,46/03	37481	7	47,48/02;6,7,14,30/03	43281	6	27,37,44,46,47/03	44071	4	29/03
37175	2	5,27,30,45,46/03	37501	3	46,47/02;7,8,20,33/03	43283	6	27,37,40,43,47/03	44072	4	40/03
37180	20	38/02;27,31,35,49/03	37502	2	46/02;7,33,41/03	43284	4	51/02;40,43/03	44075	4	42/02;13,23,40/03
37182	14	35,47,48/02;24,27/03	37506	4	45,46,47,51/02;8,20,33,48/03	43285	5	44/02;44,49/03	44076	3	22,28,30,32/03
37183	9	48,51/02;10,24/03	38320	3	35/03	43287	2	27,37/03	44078	9	39/02;9,13,46,48/03
37184	8	48/02;5/03	38480	6	48/03	43300	5	44,47,50/02;49/03	44081	11	9,33/03
37200	15	28,30,35/03	38528	4	N20/03	43301	4	45,50/02;49/03	44082	8	9,11,24,25,26/03
37202	2	22,27/03	38580	8	18/03	43302	4	44,47,50/02	44083	1	6,11,26/03
37205	2	39/02;22,24,30,40/03	38585	4	18/03	43303	4	41,47,50,51/02;43/03	44084	7	44/02;2,9,11,12,13,22,31,40,41,46,48,49/03
37221	13	34,36/02;6,10,11,12,13,14,15,21,23,29,30,32,50/03	41000	2	15/03	43304	2	44,47,50/02;43/03	44100	2	49/02;5,6,8,24,26,27,41,47,48/03
37222	13	21,22,30,46/03	41060	3	34/02	43320	5	49/03	44105	2	49/02;5,6,8,24,26,27,41,47,48/03
37223	14	42/02;21,26,27,30,32,34,35,39,43/03	41100	2	N46/03	43321	6	41,47/02	44120	7	2,9,10,15,19,20,22,23,24,27,33,39,40,41,45,48,49/03
37224	11	22,23,30,37/03	42003	1	N23/03**	43323	4	27,49/03	44140	8	50/02;1,6,19,21,23,24,26,31,40,44,47,50/03
37226	17	39/02;8,9,12,14,17,21,23/03	42004	1	N23/03**	43324	4	27,49/03	44160	7	46/02;1,4,5,6,11,13,14,15,20,26,31,41,47,48,49/03
37228	14	8,14,23,27,29,30/03	42036	2	43/03	43340	13	49/03	44161	2	50/02;1,2,6,10,21,35,39,41,48,49,50/03
37229	15	8/03	42038	2	43/03	43341	7	41/02;12,49/03	44162	1	50/02;1,24,47/03
37230	14	39/02;28/03	42160	3	7,38/03	43342	4	27,49/03	44163	1	48/02
37231	18	6,10,12,14,50/03	42301	3	38/03	43343	5	43,48/03	44164	1	46,48/02;1,11,18,22,47/03
37232	12	29,31/03	42560	5	31,38,40/03	43366	6	43,48,50/03	44165	1	46/02;1,5,6,11,20,22,24,34,39,45,48/03
37233	13	7,8,31/03	42580	5	40/03	43367	5	45,02	44178	2	2,5,7,10,16,26,27/03
37235	11	17/03	42600	5	14,30,40/03	43368	5	43,48/03	44179	2	10,16,35,39/03
37238	6	17,21,30,33,37,40,41,45/03	42620	5	14,38/03	43369	6	43,48,50/03	44180	6	34,45,46/02;1,2,5,7,8,9,20,26,43,48,50/03
37241	17	26,27,30,32,33,35,37,39,43,45/03	42640	6	38,40/03	43370	7	47/03	44181	5	5,10,13,20,21,27,48/03
37242	10	26,30,32,35,39,43/03	42660	5	38/03	43371	13	38,43/03	44182	4	48,49/02;1,2,15,18,27,42,43,46,48,49/03
37243	7	27,30,32,37/03	42740	5	34,41/02;6,25,31,40/03	43373	8	45/02;17,20,40,42,49,50/03	44183	6	48/02;1,6,8,9,10,19,20,25,27,35,39,43,46,49/03
37244	11	23,26,27,28,30,32,33,35,37,39,43,45,46/03	42742	3	6,8,30/03	43374	1	50/03	44184	9	45,49/02;2,10,13,20,22,32,48/03
37246	14	21,24,27,30,32,33,35,39,40,43,45,46/03	42762	3	8,19,24,25,47/03	43375	7	46/02;6,7,10,12,16,18,23,42,44,50/03	44185	7	45,49/02;1,2,10,27,32,48,50/03
37248	18	39/02;21,23,24,26,27,30,32,35,40,41,43,45/03	42763	3	N25,N30,N47/03	43377	2	47/03	44186	2	45,46,48/02;1,2,5,8,9,10,15,16,25,27,29,49/03
37258	4	1,11,22/03	42765	3	47,50/03	43378	2	38/03	44187	2	5,6,9,13,25,27,39,44,48,50/03
37261	10	1,7,11,20,22/03	43000	4	9/03	43382	2	48/03	44192	1	46,48/02;1,18,23,39,43,44,48/03
37262	20	1,11/03	43015	12	9/03	43384	1	48/02;4,5,6,7,10,11,12,13,15,16,17,18,23,25,26,27,32,44/03	44193	1	1,7,15,18,43,48,50/03
37264	3	1,15,22/03	43030	24	2,9,10,11,12,13,15,17,22,27,28,30,32,46,48/03	43377	2	47/03	44200	9	34,52/02;4,9,12,13,22,27,37,43,47,50/03
37265	3	1,7,17,32/03	43040	6	38,47/03	43378	2	38/03	44203	1	33,48/02;2,5,15,25/03
37281	15	1,15,22/03	43058	3	20/03	43382	2	48/03	44204	1	48,52/02;2,4,5,7,12,13,27,50/03
37320	16	38,44/02;9,10,11,P12,15,17,21,24,36,38,44/03	43059	3	44/02;20/03	43384	1	48/02;4,5,6,7,10,11,12,13,15,16,17,18,23,25,26,27,32,44/03	44205	2	48,52/02;2,5,7,12,15,19,22,26,27,29,31,39,43/03
37325	8	34,39,47/02;15,18/03	43060	4	44/02;27/03	43385	1	45,48/02;5,11,13,20,23,24,26,42,46,49/03	44206	1	46/02;4,5,13,16,17,19,24,28,40,46/03
37326	2	34,47,51/02;15,18,21,36/03	43079	2	41/02	43386	2	47/03	44207	1	4,5,17,19,23,28,40,41,45,46,50/03
37328	2	42,44/02;11,15,21,24/03	43080	4	44/03	43387	16	44/03	44220	5	46/02;4,5,13,16,21,40,45,46,48/03
37330	2	34,38,40,46/02;9,13,14/03	43082	5	41/02;47/03	44001	2	48,49/02;1,6,7,8,9,11,13,14,P20,23,26,50/03	44221	1	19,21/03
37342	3	2,11,15,21,45/03	43101	3	46/02	44015	8	48,49/02;6,7,8,9,10,11,13,14,24,26,40,44,47,50/03	44223	1	6,13,21,24,48/03
37343	10	45/02	43102	4	46/02	44030	7	46/02;4,8,9,13,19,48,50/03	44224	1	49/02;5,20,21,24,42/03
37344	11	34/02;21,38,45/03	43104	4	46/02	44036	5	13,16,17,20,23,28,30,32/03	44240	8	49,50/02;4,7,13,14,15,16,19,21,25,39/03
37360	15	34,43/02;2,9,10,11,15,17,21,24,31,36,38,39,43,44,45/03	43106	6	44/02;44/03	44037	5	16,22/03	44243	2	5/03
37362	6	43,48,51/02;1,2,4,17,22,32,33,38,39/03	43107	7	44/03	44038	5	46/03			
37363	8	48/02;4,17,32/03	43125	5	20/03	44040	23	44/02;6,10,13,16,17,20,22,23,24,28,30,32,44/03			
			43127	5	20/03	44041	7	48/02;1,9,10,13,16,20,23,28/03			
			43140	4	41,48,52/02;12,35,38/03	44042	7	44,45,49/02;4,7,9,10,11,17,19,20,25,27,28,29,32/03			
			43141	5	52/02;12/03	44043	8	44/02;1,6,9,10,11,13,16/03			
			43142	4	52/02;12/03	44044	6	6,10,13,16,44/03			
			43143	4	12/03	44045	6	22,44/03			
			43144	4	6,12,43/03	44046	10	22,24/03			
			43145	4	12/03						
			43146	2	48/02;34,35,44/03						
			43147	3	35,38/03						
			43148	4	43/03						
			43150	2	N34,N35,N38,N41/03						
			43160	6	34,35,36,38,41/03						
			43161	2	41,44/02;35,41/03						
			43162	3	41/03						
			43163	3	44/02;41/03						
			43164	3	48/02;6,34/03						
			43166	2	43/03						
			43167	5	36,42,44/03						
			43168	2	36,42/03						
			43180	5	9,44/03						
			43181	3	43/03						

## SECTION I

NM 50/03

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 33/02 THROUGH NM 50/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
\* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
44260	7	2,5,6,13,21,48/03	51168	2	45,46,50/02;2,4,8,45/03	53011	2	51/02	53311	3	39/02;37/03
44280	9	34,49,50/02;2,6,12,15,19,22,34,44,47,50/03	51180	5	13,16/03	53031	1	39,48/02;5,12,14,24,31,49/03	54040	3	37/02;6,10,20/03
44281	2	49/02;12,15,19,21,22,27,45,49,50/03	51200	4	14/03	53058	2	4,37/03	54041	7	35/02;4,8,16,17,24/03
44282	1	49,50/02;13,17,19,21,26/03	51220	8	33/02;18,43,45,46/03	53060	14	51/02;4,5,9,10,12,14,31,36,39,44/03	54043	2	17/03
44283	2	50/02;8,21,43,45,49,50/03	51222	6	51/02;16/03	53061	10	44,47/02;12,16,17,38,44/03	54060	5	37/02;16/03
44284	2	41/02;6,42,44/03	51223	2	17,18/03	53062	13	1,14,16/03	54061	11	52/02;42/03
44285	1	2,15,40,44,47/03	51240	2	33/02;43,46/03	53063	9	33*,37/03	54081	3	1,13/03
44286	1	2,27,40,47/03	51260	4	37,50/02;16,18,28,43,44/03	53066	2	33/02;20,39/03	54085	2	40/02;15,24,42/03
44310	5	41,42/02;7,37,50/03	51261	23	5,6,13,15,19,40,46/03	53067	6	33/02;10,20,39/03	54090	3	46/02*;11,15,19/03
44313	1	41,47/02;36,37,39,40/03	51263	23	49/02;13,17/03	53068	2	33/02;39/03	54095	3	46/02*;8,15,30,42/03
44319	2	41,42/02;4,6,9,10,P20,26,27,28/03	51341	23	48/02;6,16,34/03	53069	1	41/02;50/03	54105	3	46/02*;8,13,17,19,50/03
44320	4	6,8,9,15,P20,25,26,37,49,50/03	51342	3	1/03	53072	13	9,10,21,22,41/03	54115	3	46/02*;15,30/03
44321	6	40/02;6,8,44,45/03	51344	2	5,7,16,18,44/03	53081	8	4,5,11,16/03	54120	5	37,39,41/02;15,17,19/03
44340	11	37/02;4,6,8,9,15,17,P20,26,33,37,49,50/03	51380	5	47/02;42/03	53082	13	40/02	54125	3	46/02*;15,17,30,47/03
44341	7	37,41/02;7,9,P20,26/03	51420	5	42/03	53083	8	9,10,21,22,41/03	54131	2	50/03
44342	8	37,41/02;6/03	51440	4	42/03	53084	6	51/02;14,16/03	54140	7	41/02;15,30,47/03
44352	2	4,6,7,8,12,15,17,19,49/03	51500	6	20/03	53085	6	51/02;14,16/03	54151	1	3,42/03
44360	9	34,37,41,42/02;4,9,10,20,27,28,30,31,32,37,39,44/03	51540	3	22,45/03	53086	8	46,48/02;17/03	54161	12	10,20,21/03
44361	6	4,10,15,21,26,27,28,35/03	51559	3	41/02	53087	9	48/02;17/03	54165	2	33,37/02;38/03
44365	1	7,8,26,27,43/03	51560	11	50/03	53088	7	33/02	54166	3	10/03
44366	1	34,41/02;44/03	51562	10	50/03	53089	4	21,22,23,41/03	54167	2	20/03
44367	2	35,37,40/02;6,39/03	51580	13	41/03	53090	1	41/02;50/03	54168	1	37/02;10,17,38/03
44400	4	48/02;4,6,7,8,9,12,15,17,19,23,24,25,27,34,41,49,50/03	51600	12	20,39/03	53093	2	41/03	54169	3	37/02;17,38/03
44401	7	10,12,19,24,41,49/03	51620	10	20,39/03	53100	16	33,39,42,51/02;6,10,13,18,20,21,24,31/03	54180	6	41,43,50/02;5,30,42,47/03
44410	4	4,6,11,12,13,14,15,23,24,26,27,41,45,49,50/03	51641	9	20/03	53101	7	33/02;8,13,16,24/03	54181	7	48/03*
44420	6	36,49/02;8,9,10,11,12,14,17,22,25,27,40,44,49/03	52031	1	6,21,48,49/03	53104	2	35,42/02;20,24/03	54195	2	5/03
44430	2	6,10,11,14,19,24,25,40,44,47/03	52039	4	5*,7,8,9,13,14,18,21,45/03	53105	20	37/02;8/03	54200	4	5,8/03
44444	6	9,12,30,34,35,36,38,41/03	52040	17	43,50/02;13,16,18,34/03	53106	6	21,33/03	54201	6	8/03
44461	10	6,10,24,25,26,28,31,36,47,50/03	52042	6	22/03*	53107	16	35/02;6/03	54222	4	43/02;20/03
44462	4	27,39/03	52043	21	46/02;6,7,48,50/03	53110	1	40/02;10,15,17/03	54223	2	8/03
44463	9	24/03	52045	6	36/02	53111	3	44/02*	54224	2	8/03
44465	2	6,25,47/03	52046	21	50/02;6,7,16,18,21/03	53120	14	39,42/02;5,6,7,13,17,31,35/03	54226	2	50/02;47/03
44481	2	24,26,31,50/03	52047	11	7,8,34/03	53122	3	40/02;7,8,16/03	54227	2	50/02;47/03
51007	22	38/02;7,27,33,40/03	52048	3	8/03	53123	3	7,29/03	54266	2	13/03
51013	4	38/02;7,21,33,36,45/03	52051	1	43/02	53125	2	46,51/02;13/03	54279	4	50/02*;2,15/03
51017	31	37/02;24,40,44/03	52052	1	43/02	53130	1	42,47/02;10,13,18/03	54280	10	5,15,22/03
51022	11	37/02;44/03	52054	1	14/03	53133	4	33*,45/03	54281	1	51/02
51027	8	45/03	52055	1	14/03	53135	2	51/02;7/03	54283	5	52/02
51032	10	45/03	52060	16	43,50,51/02;7,12,P20,26,29,34/03	53141	5	34,51,52/02	54284	1	51/02;15,34/03
51061	14	1,7,15,17,19,21,22/03	52061	2	45,48,51/02;7,12,20,P20,26,29,34/03	53147	3	36,39,42,51/02;6,7,10,13,17,20,35/03	54287	7	5,15/03
51062	28	15,17,19,22/03	52062	7	7,12,23,29,34/03	53160	14	51/02;3,6/03	54288	5	1/03
51064	2	52/02;1,17/03	52066	3	50/02;14,16/03	53161	8	51/02;3,8,13,18/03	54289	8	1/03
51081	10	5,6,13,15,17,21,22,45/03	52080	14	50,51/02;4,7,10,11,12,14,20,P20,26,48,49/03	53162	7	50/02*;15/03	54302	1	21/03
51082	7	5,7,13,15,17,21,22,45/03	52082	3	45,46,48/02;11,12,20,P20,26/03	53164	9	37,51/02	54318	3	1,14/03
51100	7	1,6,7,8,9,14,27,33,34,41/03	52083	2	45,46,51/02;1,16,46,48/03	53165	13	39/02;8/03	54320	4	48/02;1,24,25/03
51103	10	33,45/02	52084	2	45/02;4,10,11,12,14,18/03	53166	13	39/02;8/03	54321	2	25/03
51104	1	33,45/02	52085	3	50,51/02;4,11,16,46/03	53180	10	33,34,43,51/02;1,3,6,7,13,15,18,20,21,29/03	54322	7	1/03
51120	6	6/03	52086	2	45,50,51/02;1,4,9,11,14,36/03	53181	4	34/02;1,13,21/03	54329	4	5/03
51135	1	22,46/03	52087	1	51/02	53182	4	36/02;15,16/03	54332	3	25/03
51142	2	6,13,15,22,33,40,45/03	52088	2	45/02;4,10,11,12,14,18,P20,26,49/03	53183	13	35/02;20/03	54334	3	5/03
51143	4	6,40,45/03	52092	1	46,51/02;16,48/03	53184	5	35/02;1,6,13,18,20/03	54335	3	24/03
51144	3	52/02;1,15,46/03	52120	12	51/02;6,11,16,18/03	53200	6	33,36,43/02;5,6,7,15,16,20,30/03	54339	8	12/03
51145	2	42/02;13,22/03	52121	8	45,46/02;1,6,8,11,16,23/03	53201	6	51/02;18,21,38/03	54340	8	48,51/02;3,4,24/03
51146	3	42,52/02;5,36/03	52122	14	45/02;11,14/03	53202	6	15,17/03	54341	4	23/03
51150	1	50,51/02;1,13,15,22,33,40,46/03	52124	1	51/02	53203	11	5/03	54343	10	48/02;4,5,11,12,13/03
51154	3	50,51/02;13,15/03	52125	1	45,46/02;8,11,16,18/03	53204	10	44/02;5/03	54344	6	48/02;24/03
51155	1	50,51/02;1,15,22/03	52140	6	48,50/02;3,12,18,29,46,49/03	53205	3	5,26/03	54346	8	11,12,13/03
51158	2	6/03	52141	5	48/02;41,44,46,49/03	53206	6	5,25/03	54347	4	51/02
51159	3	47/02;39/03	52142	2	12,18,23,29/03	53220	6	36,43,51/02;5,16/03	54350	4	51/02;37/03
51160	20	48,50,51/02;1,4,5,6,7,14,15,21,22,45/03	52143	8	18/03	53226	3	3*,17,18,35/03	54351	7	52/02;26/03
51163	4	4,43/03	52144	5	50/02;3,7,8,10,14,16,18,21,23,47/03	53242	12	52/02;1,13/03	54352	3	52/02;1,3,33,37/03
51164	18	38,45,46,50/02;2,4,8,43/03	52160	7	50/03	53244	2	1/03	54359	2	38/03
51165	8	45,50/02;2,4,8,10,14,16,39/03	52161	14	6,11,14/03	53262	7	42/02;21/03	54360	12	52/02;20,21,34,50/03
51166	3	N45/02;N39/03	52164	2	14/03	53263	1	37/02;17/03	54361	10	38/03
51167	6	45,50/02;2,4,8,10,16/03	52170	3	14,16,42/03	53264	5	17/03	54362	3	52/02
			52172	2	40/02;1/03	53265	6	35,41,46,52/02;15,16/03	54363	3	21,50/03
			52180	14	42,43,51/02;1,8,10,13,15,16,50/03	53266	4	1,8,13,17/03	54364	2	52/02
			52200	8	7,17/03	53268	4	42/02;7/03	54365	6	36/02;11,21/03
			52220	7	27/03	53269	5	17/03	54366	4	50/03
			52221	7	27/03	53279	3	7,15/03	54369	4	52/02;20,21,34,50/03
			52223	4	27/03	53281	4	40,52/02;15,18/03	54380	6	42/02;3,16,18,28,34/03
			52240	9	27/03	53282	8	40/02	54382	9	16,28,40/03
						53283	4	33,52/02;40/03	54386	10	42/02;16,18/03
						53284	4	33,40/02;7,21,24/03	54387	7	42/02;16,18,30,39,42/03
						53285	4	35/02;7,15/03	54389	8	43,52/02
						53287	6	35,42/02;1,5,7,8,10,15,22/03	54400	8	43/02;3,16,22,30,36,37/03
						53290	1	35/02	54402	4	52/02
						53301	4	22/03	54403	4	43,52/02;24,30,36/03
						53302	4	51/02	54407	4	43/02;3,7,16,30,37,49/03
						53303	6	49,51/02	54409	2	7,8,12/03
						53306	2	39/02;31,43/03	54413	3	37/03
									54416	5	33,37/03
									54417	1	30/03*

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 33/02 THROUGH NM 50/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
\* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
54418	4	43/02;3,7,16,30,37,49/03	56103	6	1,33/03	62024	13	38,40/02;29/03	62521	4	N20*,N28,N32,N41/03
54419	2	3/03	56104	3	22/03*	62028	15	10/03	62530	6	20*,28,32/03
54421	6	47/02;36,41,43,46,49/03	56105	1	38/03*	62032	16	11*,17,21,41/03	62531	4	N20*,N28,N32/03
54422	4	46/03	56120	12	1/03	62033	3	N11*,N17,N21,N41/03	62540	6	34,40,45,48,50,52/02;8,12,17,18,21,30,35,43,50/03
54423	5	48/02*;17/03	57000	10	43/03	62046	3	19/03*	62541	3	N34,N40,N45,N48,N50,N52/02;N8,N12,N17,N18,N21,N30,N35,N43,N50/03
54430	1	37,43/02;36,43/03	57029	9	12/03	62050	6	44/02	62550	3	16*,28,32/03
54440	4	41/02;17,38/03	57035	10	10,12,23/03	62092	7	41/02	62560	4	16*,18/03
54441	6	42/02;2/03	57060	7	43/03	62093	7	41,49/02	62570	4	33,34,36,40,45,48/02;8,12,17,18,30,35,37,43,50/03
54462	5	17/03	57063	5	40,41/02	62095	3	11*,32/03	62572	1	50/03*
54464	5	17/03	57064	3	41/02	62097	6	38/03*	62580	3	33,45/02;12,35/03
54480	8	36,41/02;2,17,21/03	57101	18	41/02	62098	7	33/03*	62590	2	36,40,46,48/02;8,12,17,18,21,23,30,37,43,50/03
54481	8	36/02;33,43/03	57103	2	16/03	62100	6	P23,26/03	62591	3	N36,N46,N48/02;N8,N12,N17,N18,N21,N30,N35,N43,N50/03
55001	4	36,37,42/02;14,15,28,29,33,35,36,39,43,44/03	57120	13	43/02	62110	9	P23,26/03	63000	13	48/02;40/03
55040	4	39,41/02;16,20,21,35,36,39,41,42,50/03	57140	10	43/02	62140	1	34,40/02	63005	18	16/03
55041	7	21,43,49,50/03	57141	14	43/02	62142	10	32/03	63010	14	52/02;44/03
55042	1	42/02;17,35,37/03	57142	6	43/02	62143	3	32/03	63015	11	38,40,52/02;9/03
55043	2	37,39,42/02;37/03	57160	10	43/02	62170	2	38/02	63020	15	4,9,11/03
55044	5	41,43/02;16,42/03	57162	7	43/02	62171	4	38,47/02	63040	2	46/02
55045	2	41/02;39/03	57164	2	43/02	62188	3	50/03	63050	2	46/02;45/03
55046	4	37,38,39,41,48/02;18,19,35,36,41,46,50/03	57165	1	43/02	62191	15	11*,15,28/03	63053	4	39,45/03
55047	8	41,49/03	57170	1	43/02	62195	7	19/03*	63055	2	39/03
55048	12	36,37,39,41,48/02;20/03	57200	6	11/03	62220	9	21/03*	63060	7	45/03
55049	6	41,43/02	57220	4	11/03	62222	5	19/03*	63062	7	7,16,18,37,44,50/03
55060	7	36,37/02;28/03	57242	8	41/03	62225	3	37/02;17/03	63063	9	20/03
55061	1	28/03	57245	1	41/03	62230	2	50/03	63065	6	44/03
55062	5	28,33/03	57260	3	23/03	62241	10	9/03	63070	3	16/03
55063	1	6,44/03	57261	2	23/03	62242	11	47/02;9/03	63080	5	48/02
55064	3	37,48/02;6/03	57262	4	23/03	62250	4	34,38/02;32/03	63090	8	15,30,40/03
55082	9	5,25,32,44,46,50/03	57381	12	52/02;15,16,23/03	62270	4	37,41/02;29,32/03	63091	4	39,48,52/02;9/03
55084	7	39/02;39/03	57400	4	12/03	62271	5	37,41/02;10/03	63100	2	44/02;30/03
55085	9	5,31,33,36,39,46,50/03	57408	2	12,24/03	62290	3	37,41/02;10,21,P23,26/03	63101	15	15,30,40/03
55100	8	36,37/02;6,28,29,33,34,39,43,44/03	57420	3	12/03	62295	3	21,P23,26/03	63102	19	15,30,40/03
55101	4	7,25,32,34,38,39,42,43,46,50/03	57460	4	10,12,29/03	62302	2	4/03	63103	17	15,16/03
55102	3	4,5,15,25,32,36,43,46,50/03	57471	3	12,15/03	62310	2	29/03	63110	4	40/02;16/03
55103	2	48/02;1,4,5,7,15,19,20,25,26,27,31,35,36,38,42,43,45,46,50/03	57472	2	12/03	62330	2	38,40/02	63111	9	48/02;9/03
55104	2	48/02;4,5,7,14,19,31,33,36,45,46/03	57480	8	12,15,23,27/03	62340	3	38/02	63120	2	44,48,52/02;8/03
55105	7	36,41,42/02;14,15,29,33,36,42,43,48/03	57482	12	24/03	62343	3	8/03	63121	5	48/02;5,8/03
55110	2	37/02;6,29,43,44/03	57483	11	24/03	62350	3	10/03	63200	5	52/02;30/03
55120	2	36/02;6,14,28,33,34,42/03	57484	19	15,23,24,27/03	62355	6	8,29/03	63201	9	40/02;30/03
55127	2	10,14,24,27,32,36/03	57488	6	24/03	62360	5	38/02;12/03	63205	2	30/03
55128	2	33,36,38/02;1,4,5,8,14,26,27,28,32,34,43,50/03	61000	20	10,15,23,27,31/03	62361	2	N38/02;N12/03	63210	3	45,52/02;16,30/03
55129	7	33,36,37/02;6,15,27,34,35,42,45,46/03	61020	2	27/03	62366	4	33/03*	63220	5	45,52/02
55130	2	45/02;5,14,19,32,33,34,39,42,46,50/03	61036	8	7/03	62391	5	33/03*	63230	6	45/02
55131	1	36,45/02;6,19,25,38,39/03	61040	6	10,31/03	62393	7	34,37,50/02	63231	8	45/02
55133	3	5,14,34,36,38,46/03	61050	4	10,15,31/03	62394	10	34,37,50/02	63232	3	45/02
55139	5	41/02	61051	7	15,24/03	62395	3	25/03*	63240	4	19/03
55140	2	1,5,14,29,33,34,35,36,42,45,46,47/03	61060	5	12,27,39/03	62400	17	33/02;4,9,31/03	63250	6	40/02;11/03
55150	2	37/02;15,36,48/03	61070	4	9,39/03	62401	9	6,10,41/03	63252	1	33/03
55160	2	42/02;29,41,42/03	61071	9	18,39/03	62402	10	10/03*	63271	8	52/02;8/03
55161	1	17,41,42/03	61080	4	9/03	62403	3	6/03	63290	7	38/02;10,22/03
55170	2	36,41/02;46/03	61090	5	12,27/03	62405	8	43/03	63291	9	33/02;16/03
55180	2	33/02;1,15,29,33,36,39,42,45,46,47/03	61091	5	12,18,24,27,35/03	62406	2	33/02;28/03	63310	5	11/03
55190	2	6,20,27,39,40/03	61092	13	18,27,35,39/03	62408	7	10/03	63320	6	42/02;9,37,49/03
55200	2	8,10,20,25,26,27,28,32,33,36,39,42,45,46,47,50/03	61100	4	10,12/03	62409	6	7/03	63322	2	9,49/03
56011	1	50/03	61110	3	25/03	62411	1	52/02	63330	9	39/02;4/03
56031	1	1,2,17,21/03	61111	12	25,27,34/03	62413	12	28*,50/03	63337	15	39/02;4/03
56041	4	21/03	61112	10	35/03	62417	1	52/02	63370	1	20/03
56044	3	38/02	61141	6	38/02;35/03	62419	6	33/02;8/03	63400	1	39/02;8,11/03
56060	9	27*,38/03	61142	6	38/02;7,35,39/03	62420	5	33,37,39/02;8/03	63410	6	39/02;8,9/03
56063	1	16/03	61180	4	38/03	62429	9	39,43/02	63413	5	39/02
56064	6	38/02;2,16/03	61190	4	39,41/02	62431	8	37/02	63417	2	39/02
56065	3	33,38/02;16,38/03	61204	5	13/03	62432	17	13*,30,50/03*	63420	2	39,45/02;8/03
56067	3	48/02*;20,38/03	61300	2	7/03	62433	12	34,45/02;1/03	63424	2	45/02
56081	19	41/02	61310	2	33/02;7/03	62434	9	40,46,52/02;8,12,17,18,21,23,43,50/03	71005	1	34/02;2,6,12,13,16,23/03
56082	16	29/03	61311	5	33/02	62437	10	30*,32,35,37/03	71006	5	39/02;23/03
56100	14	33/03*	61312	3	33/02	62439	4	1/03	71009	3	39,46,48/02;1,6,7/03
56101	6	33/02;1/03	61331	4	7/03	62440	8	16*,41/03	71012	3	33,39,46/02;1,7/03
56102	23	1/03	61334	2	7/03	62441	10	36/02	71015	4	23/03
			61400	2	7/03	62442	6	24/03	71018	10	33,35,37/02;7,12,13,15,21,25,26,27/03
			61410	2	7/03	62446	3	43/03	71027	9	34,38,45,49/02;2,4,5,14,18,23,33/03
			61433	1	7/03	62454	4	16*,50/03	71033	31	37,38,49/02;3,12,14,15,23/03
			61434	2	7/03	62455	4	16*,50/03	71036	8	35,44/02;12,14,23,26/03
			61541	8	41/03	62457	7	39,43/02	71040	5	34,42/02;7,47/03
			61542	6	41,46/03	62459	6	11/03*			
			61560	2	7/03	62460	2	6,41/03			
			61562	2	6/03	62464	4	33/02;10/03			
			61581	5	28/03	62464	2	49,50/02;4/03			
			61582	4	28/03	62480	2	16*,18,32,41/03			
			61591	4	28/03	62490	2	16*,17,18,21,32,50/03			
			61610	7	34/03	62498	4	4,9,31/03			
			61611	11	34/03	62499	4	49,50/02;4,9,31/03			
			61612	4	34/03	62510	3	11*,12/03			
			61650	3	12/03	62512	3	N11*,N12/03			
			62000	20	46/02	62515	2	45/02			
			62001	5	11*,28,50/03	62520	6	20*,28,32,41/03			

**CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 33/02 THROUGH NM 50/03**

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
\* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
71042	1	34/02	72107	2	7,19/03	74204	5	37/02;1,7,8,32,40,46/03	74584	5	34,41,43,45/02;26,27,36,38,39,48/03
71045	2	23/03	72109	3	42,44/02	74205	2	27,32,35/03	74590	2	51/02
71058	2	36/02	72130	4	46/02	74206	2	34/02;27,32,35/03	74591	7	40/02;8,38/03
71059	1	36/02	72131	3	11/03	74210	7	7,17,37,46/03	74595	2	42/03
71061	15	36/02	72161	10	10/03	74220	8	35,47,51/02;30,37,46,50/03	75000	6	47/02;6,31/03
71066	1	39/02;6,7,10,24/03	72181	2	36/02;7,11,50/03	74221	2	35,51/02;30,38/03	75001	3	47/02;5,6,31,32/03
71081	3	21/03	72190	2	10/03	74229	2	33,37,43,47/02;18,26,50/03	75010	7	41,42,50/02
71091	4	1,2/03	72201		8/03				75025	9	36,39/02;2,4,8,25,27,36,38,39/03
71140	6	33,39,46/02;1/03	72211	6	43/02;5,8/03	74230	7	39,42/02;5,7,36,46,50/03	75035	18	36,39/02;2,6,26,27/03
71180	29	33,37/02;7,12,13,15,21,23/03	72223	8	27/03	74231	7	35/02;3,21,36,50/03	75051	6	5/03
			72231	8	21/03	74232	9	5,7,21/03	75110	2	50/02
71185	24	7,13,15/03	72234	2	18,19/03	74234	1	8,17/03	75120	2	42/02
71186	2	7/03	72236	1	9,12/03	74240	8	34,39,42/02;4,5,7,8,9,41,46/03	75130	16	34,41,50,51/02;5,7,8,16,19,25,26,37/03
71210	18	44/02;3,23,27/03	73000	9	40,52/02;10,20,21/03				75131	7	17,39/03
71211	4	38/02	73002	4	5,11/03	74251	8	34,37,42,44,46,51/02;6,9,17,21/03	75132	11	17,19,25,29,32,35/03
71212	1	38/02	73004	4	10/03				75134	3	33,51/02;5,19,29,37,45/03
71230	11	38/02;6/03	73008	8	11,13,23/03	74252	9	47/02;5,7,9/03	75142	5	36,42,50/02;35/03
71241	10	6,12,16,20/03	73012	6	11/03*	74253	6	47/02;8,9,16,20,21,30/03	75143	4	33,36,38,42,50/02
71243	5	15/03*	73014	10	48,52/02	74261	9	41,49/02;4,10,30,39/03	75144	3	33,36,42,51/02;4,10,18,25,30,38/03
71247	18	5,6,8,14,17,21,22/03	73016	4	44/02	74262	2	38,41,43,47,49/02;7,9,16,21,30/03	75150	5	50/02;16,19,26/03
71248	2	N51/02*;N1/03	73020	9	9,21,22/03	74270	3	38/02;7,38/03	75160	6	17,18,19,25,32/03
71249	2	35/02	73024	3	39/02	74271	9	38,46/02;19,26,27,29,30,38/03	75170	12	38,39/02;8,25,38/03
71251	11	35,40/02;1,15,21,50/03	73030	4	22/03				75171	22	33,36,38,40,42,48,52/02;1,6,16,26,35,38,40,44/03
71253	10	35,40,42/02;5,6,7,13,14,16,17,21/03	73032	4	9,22/03	74272	7	4,19,29,30/03	75172	5	39/02;49/03
			73041	2	5/03	74273	5	38,41,43/02;7,19,27/03	75173	9	33,36/02;1,6,20,26,35,38,40/03
71255	6	28/03*	73191	3	7/03	74281	7	3,30/03	75175	9	33,38,40,45,50/02;6,18/03
71257	2	5,6,7,12,13,16/03	73271	7	13/03	74282	2	46,49/02;27/03	75176	9	42,50/02;25,26,32,40,44/03
71258	2	35/02;5,6,7,13,22/03	73552	4	34,45/02;1,7,9,10,38/03	74285	2	34,35,45/02;1,9,16,38,50/03	75177	7	38,48,50,52/02;6,26,38/03
71259	3	15*,17,19,44/03	73570	7	34,45/02;1,10/03	74286	2	29,35/03	75180	2	8,25,38/03
71261	8	35/02;2,16/03	73580	4	52/02;43/03	74287	2	34,38,52/02;9,47/03	75185	2	47/02;8,36/03
71262	7	6,33/03	73581	4	52/02;3,43/03	74289	5	9/03	75190	2	47/02;25,36/03
71265	3	46*,49/02;7,13,15,16,20/03	73590	6	47,52/02;36,43/03	74290	11	34,39,45,46,48,49,51/02;1,7,9,10,16,27,30,38,50/03	75191	6	37,38,43,47/02;8,19,30,34,36,38/03
			73601	3	34,35,47/02;43/03				75193	6	49/02;1,5,7,10,16,19,35/03
71271	10	34,52/02;19/03	73631	4	36,46/02;1,17,40/03	74292	8	34,38/02;9,27/03	75207	2	36,52/02;4,16,33,37,43,49/03
71272	10	34/02;19/03	73640	5	36/02;16,40/03	74293	7	34,45,48/02;9,16/03	75208	2	50/02;30,33/03
71275	3	35/02;2,6,16,19,33/03	73650	5	40/03	74294	3	34,45/02	75213	2	36,52/02;33,38/03
71281	7	51/02;34/03	73653	1	40/03	74295	3	4,9,27,29,35/03	75215	2	36,39,40,52/02;7,33,38/03
71285	3	34,52/02;13,19/03	74000	6	36,47/02;2,7,18,41/03	74296	4	34,38,49/02;9,27/03	75220	12	36,39,49/02;4,20,26,39/03
71295	2	34,39,40,52/02;12,19/03	74002	2	35,47/02;31/03	74300	3	35/02;8,18,41,43/03	75222	8	35,40/02
71305	2	34,36/02;2,13,23/03	74003	5	47/02;7,10,31,34/03	74301	3	16/03	75240	4	36,39/02;2,4,27,39/03
71311	4	7/03	74004	2	35,37,39,47/02;9,30/03	74302	5	43/02;9,16,44/03	75241	6	34,36/02;26,35/03
71313	8	45/02	74005	2	34,35,46,47,51/02;4,7,9,16,27,30,38/03	74380	4	8,9,26/03	75251	5	33,48/02;3,19,37,40/03
71314	5	6,10/03	74007	1	36/02;46/03	74391	3	26/03	75261	6	33,36,48/02;3,6,26,31,38,03
71315	2	34/02	74008	6	51/02	74392	7	39/02;25,49/03	75262	6	38/02;16/03
71320	1	35/02;5,14,33,38/03	74009	10	38,49/02;8,9,21,36,44/03	74393	9	38,41,50/02;3,39/03	75263	9	5,26,31/03
71325	8	5/03	74010	10	37,40,49/02;6,8,19,20,27,36,37/03	74394	2	41,49,50/02;3,39/03	75264	17	33,34,37,41,42,44,45/02;2,27,32/03
71330	13	35/02;5,33,38/03	74015	10	40/02;21,31,36/03	74410	3	38/02;7/03	75265	2	6,20,31,32,38,40/03
71331	11	5,7,8,33,38/03	74016	3	27,42,48/03	74415	1	39/02	76015	1	35,40/02;28,45/03
71333	2	6,7,33/03	74017	4	37,45/02;18,31,38/03	74420	3	45/02;19,27,30/03	76030	9	49/02
71335	2	8,38/03	74018	6	44/02	74430	2	49/02	76040	8	47/03
71340	11	40,46/02;2,4,5,6,7,33/03	74020	4	33,37,38,43/02;5,18,31,38/03	74440	3	39/02;2/03	76050	8	49/02;18,28/03
71343	3	7/03	74024	7	44/02;36,49/03	74450	3	49/02;2,37/03	76052	8	4,5,28/03
71348	3	35/02;7,23/03	74027	9	43,44/02;39/03	74455	3	48/02;1,4,38,49/03	76054	5	49/02
71349	2	23/03	74030	6	51/02;42/03	74460	4	37,40,46,49/02;6,20,37/03	76056	3	9,37/03
71350	8	5,6,7,14/03	74051	2	42/03				76060	7	40/02
71400	5	14,23/03	74053	2	51/02	74465	2	9,36,38/03	76061	3	40/02;9/03
71401	1	40,46,51/02;5/03	74151	9	36,44/02;2,20,29,40,41/03	74470	2	8/03	76070	9	35/02;28,45,47/03
71402	1	40,46/02;4,5,6,33/03				74475	2	44/02;42,48/03	76071	9	35/02;28/03
71410	1	39/02;12,23/03	74152	11	36,44/02;27,30,34/03	74480	2	44/02	76080	8	1,18,47/03
71420	1	38,39/02;3,12,14,23/03	74153	2	36,44/02;2,27,41/03	74485	3	43/02	76081	7	28,37/03
71430	3	11*,20,23/03	74162	4	36,46,47/02;8/03	74493	3	38,43,45/02	76083	3	1,37/03
71440	2	11*,23/03	74171	4	33,36,47/02;3,10,18,20,40/03	74494	2	41/02;8,9,16/03	76120	6	45/03
71445	1	7/03				74510	2	33,35,37/02;5,10,17,18,35,38/03	76121	8	47/03
71450	1	7/03	74172	5	36,47/02;7,10,18,40/03				76140	7	46/02
71455	2	11*,23/03	74181	8	33,35,37,38,39,47/02;10,34/03	74515	4	33,35,39/02;4,7,10,31,35/03	76141	8	46/02;28,37,45/03
71460	1	41/02;23/03	74182	12	33,35,37,38,39,41,42,44,51/02;6,10,17,25,34,38,39,40,41,42,49/03	74517	3	39,41/02;4,31/03	76142	1	46/02;37,45/03
71470	2	38/02;14/03	74183	11	38,39,42/02;4,6,17,25,38/03	74521	3	41/02	76144	1	28/03
72000	8	35,47,50/02;2,20,21,23,24,27/03	74184	10	33,35,37,38,46,48/02;17,34/03	74530	2	44/02;36,49/03	76146	1	28,45/03
			74186	7	34/02;4,10,17,21,27,30,36/03	74535	2	42,44,48/02;36,38,49/03	76147	1	28/03
72007	10	36,38,47,51/02;2,5,7,11,27,50/03	74190	7	35,36,37,46/02;1,16,31,34,39/03	74545	3	40/02;18,32/03	76148	1	28/03
						74550	4	5,32/03	76149	1	28/03
72014	10	46/02;7,19/03	74191	2	35,46,48/02;1,7,9,29/03	74555	3	34,43,44,48,51/02;5/03	76150	6	35/02
72021	8	36,38,47,50,51/02;7,20,23,27,50/03	74192	3	35,46/02;1,40/03	74560	10	40,43,46,48,50/02;4,5,18,31,32/03			
72028	7	34/02;22/03	74193	8	37,46/02;1,8,32,40/03	74561	2	5/03			
72035	8	8,21,27/03	74201	9	32/03	74581	9	34,36,40,41,43,45/02;27,31,39,48/03			
72045	2	8,27/03	74202	3	1,7,27/03	74582	9	40/02;17,20,27,31,39,48/03			
72050	4	23/03				74583	15	34,40,43,44,48/02;38,48/03			
72060	8	50/02									
72070	4	2,9/03									
72075	2	9/03									
72080	7	51/02;2,9/03									
72085	3	15*,50/03									
72094	2	38/02;7/03									
72100	7	7,19/03									
72103	2	4,6,7,19/03									
72105	2	36,38/02;7,11,19,50/03									

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Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
76160	4	28/03	93046	1	45/02:5/03	94203	10	41,42,44,46,47,52/02;10,11,24,41,42/03	95146	14	36,38,39,40,41,44,46,47,48,50,52/02;1,8,9,16,21,23,24,31,32,35,37,48/03
76161	10	40/02:47/03	93047	2	45,49/02:24/03	94206	3	41,42,44,47,52/02;11,19,44/03	95147	13	39,41,44,45,46,47,48,49/02;1,5,9,19,23,25,28,29,31,32,35,36/03
76162	1	18,28/03	93048	1	35,49/02:5,14,33/03	94207	5	N42,N44,N47,N52/02;N11,N19/03	95149	9	34,36,37,38,41,43,48,49,52/02;8,9,19,24,25,27,30,32,35/03
76170	7	28/03	93049	1	45/02:4/03	94216	6	N44/02	95151	17	34,36,37,38,40,47,50/02;1,5,19,23,28,29,30,37/03
76180	1	28/03	93101	2	N34,N38/02;N2/03	94217	4	6/03	95152	5	37,38/02;6,9,19,28,30,31,32,35/03
81004	3	37*:43/03	93110	2	38,40,41/02;1,2/03	94218	3	36/02:6,18/03	95153	2	34,36,37,38,43/02;19,25,32/03
81048	8	28,43,49/03	93115	2	40,41/02	94219	1	47/02:46/03	95160	13	41,42,47,52/02;1,6,8,9,11,17,19,21,24,25,27,33,36,40/03
81054	13	14*:27,28,49/03	93117	2	40,41/02	94220	4	41,42,47,49/02;8,10,11,17,18,33,42,44,47/03	95161	16	40,45,48,50/02;1,5,6,8,9,10,17,19,23,25,27,30,37/03
81060	2	43/03	93160	4	34/02:1,14,24,47/03	94260	5	49/02:1,6,11,31/03	95162	2	40,44,47/02;10,14,19,30,35/03
81063	5	47/03	93180	7	34/02:47/03	94280	5	51/02:15,32/03	95163	2	1,6,9,10,13,14,17,21/03
81067	6	46/03*	93220	6	34/02:47/03	94281	6	6,42/03	95164	4	43,48/02;1,6,9,27/03
81076	10	41*:44/03	93240	11	34/02:16,24,47/03	94282	9	46/02:8/03	95167	10	44/02;1,6,9,11,14,17,21/03
81092	3	38*:50/02:32/03	93241	9	8,16,25/03	94283	7	46/02:2,8,12,32/03	95169	2	44,50,52/02;11,16,23/03
81711	6	31/03	93242	6	42/02	94290	2	1,7,31/03	95171	1	1,6,9,21,37/03
81715	4	31/03	93243	6	42/02	94322	14	8,47/03	95172	1	1,9,21,32/03
82005	5	17/03	93244	7	16/03	94326	6	43/02:6,13/03	95173	1	50,52/02;1,28/03
82010	6	17,39/03	93245	6	16,24/03	94360	13	13,15/03	95174	1	50,52/02;12,27/03
82015	13	39/03	93260	8	7,18,47/03	94363	4	43/02:16,18,29/03	95176	2	8,11,30,35/03
82020	7	39/03	93261	5	7,47/03	94380	4	N5,N6,N18/03	95177	1	41,50/02:9/03
82192	6	43/03	93280	4	18/03	94384	3	5/03	95180	11	40,42,44,49/02;1,6,9,10,21,23/03
82200	2	17,41/03	93360	5	38/02	94420	3	39/02:4,8,11,13,14,23,42,44,47/03	95185	2	40,44,49/02;10,35/03
82210	2	42,48/02	93520	13	45/02:15/03	94421	10	45/02:4/03	95200	6	23/03
82215	2	41/03	93610	3	44,45/02:6/03	94423	12	45/02:11/03	95250	4	44/02:1,6,16,20,22,36/03
82242	1	35,48,50/02	93650	2	44/02:6,24,28,49/03	94440	2	46/02:18/03	95252	2	44/02:1,7,13/03
82244	5	35,42,48,02:20,39/03	93652	2	3,6,24,49/03	95016	8	40/02	95258	3	6,16,18/03
82253	7	35,48,50/02:20,39/03	93680	3	45,47/02:24/03	95040	8	40/02:11/03	95261	7	48/02:1,5,9,16,23,28,36,47/03
82280		N39/03	93690	2	44/02:6,45/03	95041	7	23,50/03	95262	13	41,46/02;1,6,9,27,36/03
82646	2	33/02	93698	3	45/02:28/03	95060	13	40,43,44,47,48,52/02:1,6,11,14,17,19,21,23,29,31,33/03	95264	8	48/02:25/03
82649	5	33/02	93710	3	6,15,43/03	95065	5	48/02:10,31/03	95267	5	13,20,23,26,36,49/03
82683	4	33/02:17/03	93720	10	39,45,50/02:8,15,17,20,24,28,42,43,44,48,49/03	95066	11	41,43,44,47,48,49,50/02;1,5,6,17,19,21,23,25,27,31,32,33,37/03	95268	16	39,48/02:6,9,13/03
82684	3	33,38/02:7/03	93721	5	39,42,45,50/02:4,11,17,20,23,25,40,41,43,44,45,46,48,49,50/03	95068	1	41,42,45,47/02;12,14,17,25,28,29,37/03	95270	4	48/02:9,10,13,20,21,22,23,26,36/03
82689	3	38/02:17/03	93725	6	45/02:24,49/03	95080	13	33,40,44,45,50,52/02;1,6,7,9,10,14,17,19,21,24,25,27,28,30,31,32,48/03	95271	4	44,48/02:9,10,12,13,20,26,36/03
82694	6	38/02:17/03	93726	4	48/02:8,12,17,45,50/03	95082	9	33,44,46/02:1,4,7,11,17,25,27,28,30/03	95273	2	48/02
82697	6	38,46/02	93730	3	39,40,42,45,47,50/02:2,4,17,24,28,31,41,42,43,46,47,48,49/03	95083	8	33/02:1,4,19,28/03	95274	3	48/02:23,28,36,43/03
83010	6	6/03	93733	13	39,45/02:4,19,20,25,40,41,44,45,47,48/03	95084	7	50,52/02:8,12,17/03	95280	9	48/02:8,20,26/03
83020	8	24/03	93734	11	45/02:4,19,20,25,40/03	95085	4	45,52/02:1,6,11,12,27,33/03	95281	15	7,10,14,36,45/03
83021	1	43/02	93736	22	41/02:4,20,25,40,41,45,46,50/03	95086	5	45,52/02:1,6,8,11,12,23,27,31,33/03	95282	7	46,52/02:4,6,9,19,20,22,23/03
83023	4	43/02	93778	8	47/02:7/03	95087	3	33,40,48/02:1,8,30,31/03	95285	3	18,20/03
83025	1	12,45/03	94004	6	33,37,44,52/02:8,9,10,12,17,18,42/03	95100	12	38,39,43,44,45,46,47,50,52/02:1,4,6,7,8,9,10,17,23,25,27,28,29,31,37/03	95300	5	45,48,52/02:44/03
83026	32	41/02:6/03	94016	2	33,35,52/02:3,9,10,14,17,21,33,47/03	95101	8	39,44,50/02:1,5,6,9,14,17,28,31/03	95320	15	35,38/02:20,21,26,33,40/03
83039	11	41/02:6/03	94028	7	40,42,52/02:1,6,7,8,9,11,14,17,21,24,27,31,33,40/03	95102	8	38,42,45,46,47,48,50,52/02:1,4,5,8,13,14,17,23,25,27/03	95341	8	42,47/02:1,10,40,44/03
83251	2	2,12/03	94033	5	19,21,23,29,42,44/03	95103	8	42,43,45,47,52/02:4,6,7,10,12,19,27,28,31/03	95342	16	9,13,16,20/03
83252	8	2,12/03	94040	13	37,47,51/02:6,8,10,17,18,28,31,43/03	95120	7	42,43,52/02:1,4,14,21,26/03	96004	14	44,45/02
83253	2	12/03	94042	9	47,51/02:7,18,24,43,45/03	95138	8	45,46,48,49,50,52/02:8,16,17,19,23,24,25,27,28,30,35,36/03	96020	4	41/02
83397	6	1/03	94060	10	33,37,46,47/02:7,8,10,12,14,15,18,24,31,42/03	95140	15	38,40,41,44,48,49,52/02:1,7,8,9,10,17,21,24,25,27,29,33,35,37/03	96032	3	38/02:34/03
83425	6	35/02	94061	5	33,35,47/02:23,41,42/03	95141	8	45,47,50,52/02:1,6,7,8,17,19,21,23,25,29,37/03	96036	2	36/03
83473	7	37/03	94063	4	33,41/02:8,18/03	95142	9	50,52/02:8,10,19,23,29/03	96039	7	23,44/03
83484	10	23,42/03	94067	10	33/02:10,11/03	95143	11	40,45,47,48,49,50/02:1,5,6,7,8,9,10,11,12,13,16,17,19,23,24,25,27,28,30,36/03	96041	11	39,44,45/03
83574	2	7/03	94080	7	33,44,48/02:10,19,22,32/03	95144	9	38,41,46,48,50,52/02:1,6,8,9,10,11,13,16,21,23,24,35,37/03	96042	11	10,21,39,40,44,45/03
83580	2	8,45/03	94082	8	44/02:8,19,22/03				96044	10	23,38/03
83590	1	45/03	94083	12	44/02				96120	6	21/03
91005	6	45/02:19,42/03	94120	6	33,38,48,52/02:9,10,17,18,21/03				96340	4	45/03
91008	1	44,48/02:8,10,12/03	94122	7	40/02:35/03				96379	1	10/03
91010	6	48/02:10,12/03	94123	9	33,38,42,44,52/02:9,10,15,17,18,28/03				96381	2	10,50/03
91020	5	19,46/03	94124	13	38,42,44/02:10,15,17,25,28/03				96382	2	10,12,21/03
91025	8	46/03	94127	2	33,38/02:6,9,13,16,18/03				96400	4	12/03
91030	3	42/03	94160	7	33,38,44,46,47,50,51,52/02:9,10,12,16,17,18,19,28,31,41,42/03				96441	1	41/02:10,50/03
91170	2	38,41,44/02	94165	4	50/02:18,24,43/03				96480	3	41/02
91280	7	19,43,46/03	94180	9	42,44,47,50,51/02:23,28,44/03				96500	6	41/02:10,39/03
91289	19	43/03	94184	2	N51/02				96520	7	10/03
91294	8	19/03	94187	3	14,23,36,45,46/03				96521	3	21/03
91297	9	19/03	94188	2	44,46,47,51/02:8,28/03				96540	5	10/03
91300	3	46/03	94201	1	51/02:24,28/03				96560	5	10/03
91331	3	42/03							96580	3	10/03
91340	3	42/03							96620	3	38/03
92006	5	45,46/02:5/03							96621	5	10,38/03
92025	3	42/03									
92030	4	42/03									
92033	5	45/02									
92150	3	43/03									
92160	3	43/03									
92170	3	43/03									
92290	2	19/03									
92296	3	19/03									
92410	3	42/03									
92450	3	42/03									
92560	4	45/02									
93006	2	39,45/02:4,8,10,43,44,48/03									
93010	6	38,40,41/02:2,13,14,18,24/03									
93018	8	1,14,18,24/03									
93020	2	38/02:4,13/03									
93025	5	45/02:45/03									
93030	6	45/02									
93032	3	45/02:24/03									
93043	1	45/02									

## SECTION I

NM 50/03

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 33/02 THROUGH NM 50/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
\* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
96660	4	36/03	97182	13	34,39,46,48/02;1,4,5,6,7,8,12,14,17,18,20,21,22,23,27,35,46/03	97286	6	34,35,36,41,42/02;6,8,10,13,17,35,36,38/03
96760	4	35,45/02				97287	5	34/02;20/03
96762	4	50/03*	97183	9	44/02;5,9,14,16,18,22,26,43,44/03	97300	6	1,13,25,26/03
96763	7	43,48/02;9,17,32,37,45/03	97184	15	47/02;1,7,12,14,18,22,39,44/03	97303	3	47,48/02;45/03
96764	3	34/03*	97185	2	43/02;1,7,46/03	97320	6	33/02;14,25,46/03
96800	4	41/02	97187	3	44,48/02;9,18/03	97340	8	33,38,52/02;16,17,18,22,36,46,47/03
96901	3	7/03	97188	3	50/03*	97341	9	34/02;16,21,47/03
96902	2	45/02	97189	2	44/02;9,14,18,22,39,43/03	97342	14	38/02;17,18,22,27,43/03
96904	3	34/03*	97190	2	34,39,52/02;8,13/03	97343	12	38/02;17,25/03
96910	1	10/03	97200	9	52/02;8,16,17,22,25,26,29/03	97345	2	50/03
96937	2	40/02	97201	7	18,28/03	97360	6	38/02;5,7,13,18,27,43,45,47/03
96938	4	4/03	97202	15	43,44,52/02;20,25/03	97380	7	39,47,52/02;1,2,8,16,23,38,40,45/03
96939	3	4,7,9,22/03	97204	9	45,52/02;4,6,10,19,20,25,33,43,45,47/03	97381	7	7,13,27,43,45/03
96941	8	47/02;47/03	97205	3	18,28/03	97382	2	41,45/02;4,42/03
96943	15	44/02;1,9,10,12,20,22,23,33,42/03	97206	3	50/03*	97383	16	5,7,13,42,46,47/03
96944	6	45,52/02;6,13,20/03	97218	3	41/02;6,33/03	97384	4	47/02;19/03
96945	3	43,52/02;20,22,23,42/03	97219	4	6,9,13,20,23,25,47/03	97385	10	52/02;5,6,7,9,46,47/03
96947	15	6,12,13/03	97220	3	37,39,42,43,44/02;6,8,9,17,18,23,29,33,46,49/03	97387	2	4,5,7,42,46/03
96948	8	21,22/03	97221	20	37,39,42,44,45,49,52/02;6,8,9,10,13,17,18,19,20,22,23,25,26,29,33,46/03	97389	2	45*,47/03
96949	21	45/02;22/03	97222	12	47/02;10,22,29/03	97390	5	39,40/02;2,5,12,16,36/03
96960	3	7,47/03	97223	3	42,44,48/02;16,17,22,23,46/03	97391	26	6,7,12,16/03
96962	4	35/02;1,9,22,33/03	97224	6	46,47,49/02;45/03	97392	5	1,21,23,26,33,38/03
97000	3	17,40/03	97225	31	37,39,42,44,45/02;6,8,9,10,17,18,19,23,25,33,45,46,49/03	97396	14	36,39,40/02;2,16,17,23,33,38/03
97005	9	47/03	97226	7	18,41/03	97397	7	39,49/02;16,26,44,49/03
97021	7	40/03	97227	11	42,43/02;9,18,30,34/03	97398	4	43/03*
97029	3	40/03	97228	15	39,40,42,43/02;5,6,9,15,17,18,20,21,22,27,29,35,49/03	97400	4	34*,44,49/03
97040	5	43,47/02	97229	12	36,39,47/02;6,8,9,18,28,33/03	97410	9	50/03*
97041	9	45,47/02;10,12,22/03	97230	18	36,52/02;6,9,28,33/03	97412	7	40/02;47/03
97042	7	14,20/03	97231	11	41/02;6,23,33/03	97420	17	34,39,42,47,52/02;1,8,10,33,38,40,45/03
97043	2	14,20/03	97232	8	22,25,33/03	97421	13	35,36/02;1,10,13,20,26,36/03
97060	8	46/02;12,14,22,26/03	97233	11	33,43,44,49/02;1,5,6,9,15,16,23,33,35/03	97423	2	35,36/02;1,13,20,26,36/03
97061	3	52/02	97234	17	43,47,49/02;1,6,8,9,16,41/03	97425	6	34,39,47,52/02;1,6,8,10,45/03
97062	12	44/02;6,10,22,26,34,35/03	97236	20	47/02;9,16,23,35,41/03	97440	8	52/02;1,16,19,27,43,47/03
97063	2	48/03*	97237	6	41/03	97441	5	46/02;47/03
97064	2	6,14,33,45/03	97239	10	33/02;1,5,9,16,23/03	97443	6	15,19,25,47/03
97065	2	48/03*	97241	6	10/03	97460	7	40/02;5,19,21,47/03
97080	5	16,22,26/03	97243	8	33,48/02;1,5,6,21,27,33/03	97461	9	5,8,19,21,22,23,26/03
97082	5	46/02;16,34/03	97244	5	9/03	97465	9	1,6,8,19,20,22,33,37/03
97083	3	29,34,35/03	97245	11	36/02;1,5,9,29/03	97466	2	46/02;1,23,27/03
97100	4	42,47/02;16,17,26,49/03	97246	7	43,52/02;5/03	97469	10	1,6,8,19,20,22,33,37/03
97101	2	50/03*	97251	4	6,10,17,36/03	97471	5	N22,N33/03
97104	4	7,41/03	97261	15	41/02;1,5,7,18,21,26,44/03	97472	8	34/02;33/03
97105	3	41/03	97262	10	34/02;1,5,6,7,15,21,26,33,46/03	97474	7	22/03
97108	4	50/03*	97263	10	5,7,9,15,18,21,46/03	97480	7	35,52/02;3,9,10,17,18,21/03
97120	6	37,40,42,43/02;9,14,16,17,25,40,44,45,49/03	97266	5	37,41/02;1,5,6,7,14,15,18,26,42/03	97481	6	47,49/02;9,18,20/03
97140	17	33,37,39,43,45/02;7,9,14,16,25,40,44,45,46,49/03	97267	16	40,41/02;1,5,6,8,10,13,18,26,27,42/03	97483	7	48,52/02;20/03
97141	5	40,46/02;8,13,20/03	97268	10	6/03	97521	6	42/02;16,18,20/03
97143	11	43,45/02;9,13,20,25,26,44,49/03	97269	11	45/02;8,13,18,27/03	97564	3	16/03
97144	14	44*,46/02;7,8,9,13,20,39,44,49/03	97270	6	36,44/02;1,5/03	800744	1	N49/02;N5,N12,N13,N16,N36,N47,N50/03
97145	1	43/02;8,9,25,40,45,47/03	97271	12	37,39/02;6,10,12,26,35,41,44/03	801217	1	N6,N8,N19,N20,N22,N33,N37/03
97146	10	44/02*;15,39/03	97272	11	52/02;6,10,12,14,23,37,47/03	801885	3	N34/03
97148	9	45/02;9,27/03	97273	11	34/03*	801902	9	N25,N31/03
97149	20	34,35,44,45/02;1,16,25/03	97274	19	34,39,45/02;6,9,15,17,18,23,37,47/03	801953	1	N39/03
97150	13	34,39,43,44/02;20,27,42,49/03	97276	2	50/03*	802202	8	N35/02;N1,N7/03
97151	16	35,44,45/02;12,13,14,16,20,25,49/03	97277	11	1,5,6,8,9,14,35,39/03	804059	2	N43/03
97152	8	37/02;20/03	97278	11	39/02;1,20,35,39,49/03	804567	4	N31/03
97153	7	16,20/03	97279	9	9,27/03	805118	3	N12,N36/03
97154	2	36/02	97280	4	52/02	805647	2	N37,N51/02;N30/03
97155	14	35,36,37,39,40,48/02;12,13,18,20,28/03	97281	3	50/03*	806927	8	N25,N30,N39/03
97156	6	37/02;1,14/03	97283	3	45/02;9/03	807370	5	N17,N25,N30,N31,N39/03
97157	2	40/03*	97285	6	34,42/02;7,13,17,36/03	807861	2	N22/03
97158	5	50/03*				808365	2	N14/03
97159	6	33,39/02;7,14,16,44,46/03				809055	7	N16/03
97163	14	14,36/03				809310	9	N39/02
97164	1	7,14,16/03				809679	2	N50/02;N12,N27/03
97165	1	7,16/03						
97166	1	33/02;21,46/03						
97167	2	33/02;21/03						
97180	6	34,39,43,45,46,48/02;4,8,13,20,22,26,44/03						
97181	20	34,46,48/02;1,4,7,8,12,13,14,17,18,20,22,23,26,27,35,44,46/03						



## SECTION II

NM 50/03

## NGA HYDROGRAPHIC PRODUCTS CATALOG CORRECTIONS

Note: Underlining indicates that column in which a correction has been made or new information added.			Edition		Price Category	Page(s)	NTM
NGA Ref. No. (National Stk. No.)	Title	Scale = 1:	No.	Date			
REGION 1							
11ACO11330 (7642014010098)	Mermentau River to Freeport (LORAN-C)	250,000	<u>15</u>	<u>10/03</u>	NOS	1-94	50/03
12XHA12206 (7642014010358)	Norfolk to Albemarle Sound via North Landing River or Great Dismal Swamp Canal	40,000	<u>30</u>	<u>10/03</u>	NOS	1-94	50/03
	Broad Creek Extension	80,000					
	North River Extension	80,000					
	Northwest River Extension	80,000					
	(Not shown on Index)						
12XHA12339 (7642014010377)	Tallman Island to Queensboro Bridge	10,000	<u>44</u>	<u>10/03</u>	NOS	1-95	50/03
13AHA13270 (7642014010418)	Boston Harbor	25,000	<u>60</u>	<u>9/03</u>	NOS	1-95	50/03
16BHA16431 (7642014011303)	Temnac Bay	20,000	<u>7</u>	<u>10/03</u>	NOS	1-97	50/03
18BCO18421 (7642014011544)	Strait of Juan de Fuca to Strait of Georgia (LORAN-C)	80,000	<u>46</u>	<u>10/03</u>	NOS	1-98	50/03
	Inset: Drayton Harbor	30,000					
18AHA18449 (7642014011511)	Seattle to Bremerton	25,000	<u>18</u>	<u>10/03</u>	NOS	1-98	50/03
18XHA18545 (7642014011625)	Lake Sacajawea	20,000	<u>15</u>	<u>9/03</u>	NOS	1-98	50/03
	(Not shown on index)						
REGION 6							
62AHA62432 (7642014013373)	<u>Approaches to Mina'al Ahmadi</u> <u>28 53 00N 48 03 30E</u> <u>29 23 00N 48 55 00E</u>	<u>75,000</u>	<u>17</u>	<u>10/03</u>	A	6-20,24	50/03
62AHA62572 (7642015072043)	<u>Mina al Ahmadi and Plan</u> <u>28 58 00N 48 07 00E</u> <u>29 10 18N 48 22 24E</u> <u>Plan: Mina al Ahmadi</u> <u>29 01 18N 48 08 48E</u> <u>29 04 30N 48 11 24E</u>	<u>25,000</u>	<u>1</u>	<u>10/03</u>	A	6-21,23,24	50/03
		<u>12,500</u>					
REGION 9							
96BHA96762 (7642014014261)	<u>Kushiro Ko to Kiritappu Ko</u>	100,000	<u>4</u>	<u>9/03</u>	A	9-26,43	50/03
97BHA97101 (7642014014568)	<u>Southern Part of Kashima Nada</u>	50,000	<u>2</u>	<u>10/03</u>	A	9-27,43	50/03
97BHA97108 (7642014014348)	Kashima Ko	13,000	<u>4</u>	<u>10/03</u>	A	9-43	50/03
97AHA97158 (7642014014309)	<u>O Shima</u>	50,000	<u>5</u>	<u>10/03</u>	A	9-34,43	50/03
97BHA97188 (7642014014690)	Atsumi Wan	50,000	<u>3</u>	<u>9/03</u>	A	9-43	50/03
97BHA97206 (7642014014353)	<u>Higashi-Harima Ko</u>	<u>15,000</u>	<u>3</u>	<u>10/03</u>	A	9-36,43	50/03
97BHA97276 (7642014009286)	Hayase Seto and Approaches	10,000	<u>2</u>	<u>10/03</u>	A	9-44	50/03
97AHA97281 (7642014014740)	Yawatahama Ko and Approaches	30,000	<u>3</u>	<u>9/03</u>	A	9-44	50/03
	Plan: Yawatahama Ko	10,000					

NGA HYDROGRAPHIC PRODUCTS CATALOG CORRECTIONS

Note: Underlining indicates that column in which a correction has been made or new information added.			Edition		Price Category	Page(s)	NTM
NGA Ref. No. (National Stk. No.)	Title	Scale = 1:	No.	Date			
97XHA97410 (7642014014404)	<u>Imari Wan and Approaches</u>	35,000	<u>9</u>	<u>10/03</u>	A	9-38,44	50/03

Price Categories effective 1 October 2002

A	17.75	E	9.00	G	4.50	I	26.25
D	10.75	F	9.00	H	2.50	R	2.50

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 DS Distribution Limited  
 GPO Government Printing Office  
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**COAST PILOT 3 (Continued)**

way that can haul out craft up to 50 feet and lifts to 25 tons.  
(DB 1572; DB 1576) 50/03

Page 360—Paragraph 156, lines 3 to 7; read:  
privately dredged entrance channel and basin. In June 2003,  
the reported approach and alongside depth was 6 feet. Gasoline,  
diesel fuel, marine supplies, pump-out station, storage, water, ice,  
electricity, and limited berths are available. A 55-ton mobile lift is available ...  
(DB 1593) 50/03

**SECTION II**

**CORRECTIONS TO C. G. LIGHT LIST, VOLUME I LIGHT LIST, 2003**

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*19900	Montauk Harbor Buoy 3					Green can.	Private aid.  50/03

**CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2003**

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
835	- Lighted Buoy 16	33 28 43 N 77 35 00 W	<b>FI W</b> 6s	118	4	Dark green tower on yellow house on four black piles. FRYING PAN on north, east and south sides.	Emergency light of reduced intensity when main light is extinguished. Antenna at tower. HORN: 1 blast ev 30s (3s bl).  * * * 50/03
30205	- Daybeacon 10	34 11 19 N 77 48 47 W				TR on multi-pile structure.	  * 50/03
30665 39910	Channel Lighted Buoy 30		<b>FI R</b> 4s		4	Red with yellow square.	  * * * 50/03
32955	- LIGHT 6		<b>FI R</b> 4s	15	4	TR on pile.	  * 50/03
*33017	SMITH CREEK LIGHT WR1	35 30 50 N 76 29 13 W	<b>Q G</b>	15	3	SG on pile.	  50/03
33320	BROAD CREEK ENTRANCE LIGHT 1		<b>FI G</b> 4s	15	4	SG on pile.	  * 50/03
34050	- CHANNEL LIGHT 39		<b>FI G</b> 4s	15	4	SG on pile.	  * 50/03
<b>Cedar Island Bay Channel</b>							
34400	- LIGHT 2 20 feet outside channel limit.	34 58 05 N 76 15 37 W	<b>FI R</b> 4s	18	4	TR on pile.	  * 50/03
34420	- LIGHT 8 25 feet outside channel limit.		<b>FI R</b> 2.5s	18	3	TR on pile.	  * 50/03
34585	- LIGHT 33		<b>FI G</b> 4s	15	4	SG on pile.	  * 50/03
*38073	SMITH CREEK LIGHT WR1	35 30 50 N 76 29 13 W	<b>Q G</b>	15	3	SG on pile.	  50/03

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME III LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
8410	Stephens Point Shoal Daybeacon	29 29 22 N 81 41 03 W				JR on pile.	
	*	*					50/03
9425	Mothers Arms Daybeacon 4					TR on pile.	
	*		*	*	*		50/03

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
10805	- LIGHT 55 150 feet outside channel limit.	29 38 36 N 89 20 26 W	FI G 6s	20	4	SG on pile.	
		*					50/03

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>SAN FRANCISCO TO POINT ARENA (Chart 18640)</b>							
382	<i>NOAA Environmental Lighted Buoy 46059</i>	37 59 38 N 129 56 47 W	FI (4) Y 20s			Yellow boat-shaped buoy.	
		*					50/03
420	<b>Point Arena Light</b>	38 57 17 N 123 44 26 W	FI W 15s	155	25	White cylindrical tower, black gallery. 115	Emergency light of reduced intensity when main light is extinguished.
		*					50/03
485	<i>Blunts Reef Lighted Bell Buoy 2B (ELB)</i>	40 26 25 N 124 30 21 W	FI R 2.5s		5	Red.	
		*					50/03
1635	NORTH ISLAND LIGHT NW	32 42 30 N 117 13 12 W	FI W 2.5s	23	3	NR on post.	
					*		50/03
<b>San Diego Bay</b>							
1700	HARBOR ISLAND LIGHT	32 43 27 N 117 12 47 W	FI W 4s	56	8	On top of red roofed building.	
		*					50/03
2282	- WEIR LIGHT WEST END	32 45 25 N 117 15 01 W	FI W 2.5s	19	5	NW on pile worded DANGER SUBMERGED JETTY.	
					*		50/03
2283	- WEIR LIGHT EAST END	32 45 26 N 117 14 56 W	FI W 2.5s	19	5	NW on pile worded DANGER SUBMERGED JETTY.	
					*		50/03

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## SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2003							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
2325	-LIGHT 7	33 12 31 N 117 23 45 W	FI G 4s	28	4	SG on tower.	
		*					50/03
*11304	North Portland Harbor Marine Park Outfall Daybeacon.	45 36 37 N 122 37 09 W		22		On pile.	Private aid.
							50/03
CORRECTIONS TO C. G. LIGHT LIST, VOLUME VII LIGHT LIST, 2003							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
11790	- RIVER RANGE FRONT LIGHT	45 38 51 N 84 28 22 W	F R	45 14		KRW on white square tower on dwelling. 45	
		*					50/03
17950	<i>Pine River Channel Lighted Buoy 2</i>	45 18 53 N 85 14 41 W	FI R 4s		4	Red.	Replaced by nun from Nov. 14 to Apr. 14.
		*					50/03
19310	- <i>Lighted Buoy 1</i>	42 46 18 N 86 12 00 W	FI G 2.5s		4	Green.	Replaced by can from Nov. 7 to Apr. 14.
			*				50/03
19350	- <i>Lighted Buoy 6</i>		FI R 6s		4	Red.	Replaced by nun from Nov. 7 to Apr. 14.
			*				50/03
19385	- <i>Lighted Buoy 10</i>		FI R 2.5s		4	Red.	Replaced by nun from Nov. 7 to Apr. 14.
			*				50/03
19410	- <i>Lighted Buoy 16</i>		FI R 2.5s		4	Red.	Replaced by nun from Nov. 7 to Apr. 14.
			*				50/03
21345	<i>Plum Island Lighted Buoy 1</i> Marks northeast side of shoal.	45 19 18 N 86 56 44 W	FI G 2.5s		5	Green.	Replaced by can from Nov. 7 to Apr. 21.
		*					50/03
21605	<i>Southwest Drisco Shoal Lighted Buoy DA</i>	45 32 10 N 87 00 36 W	FI (2) W 5s		5	Black with red band.	Replaced by can from Nov. 21 Apr. 28.
		*					50/03
21615	Corona Shoal Buoy 4 Marks southwest side of shoal.	45 36 42 N 86 57 45 W				Red nun.	Maintained from Apr. 28 to Nov. 21.
		*					50/03

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VII LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
21625	<i>Eleven Foot Shoal Lighted Bell Buoy 6</i>	45 38 04 N 86 59 16 W	FI R 6s		5	Red.	Replaced by nun from Nov. 21 to Apr. 28.  * 50/03
<b>LITTLE BAY DE NOC (Chart 14915)</b>							
<b>Little Bay De Noc</b>							
21630	- <i>Lighted Buoy 8</i> Marks shoal.	45 43 46 N 87 01 31 W	FI R 4s		4	Red.	Maintained from Apr. 28 to Nov. 21.  * 50/03
21650	- <i>Shoal Lighted Buoy 10</i> Marks southwest side of shoal.	45 45 31 N 87 01 22 W	FI R 4s		4	Red.	Maintained from Apr. 28 to Nov 21.  * 50/03
21835	- <i>Mid-Channel Mark Lighted Buoy S</i>	45 08 33 N 87 16 22 W	FI (2+1) R 6s			Red and green bands.	Replaced by nun from Oct. 14 to May 1.  * 50/03
21915	- <i>Shoal Lighted Bell Buoy 2A</i> Marks east side of shoal.	45 06 20 N 87 34 26 W	FI R 4s		4	Red.	Replaced by nun from Nov. 14 to Apr. 21.  * 50/03
21975	Green Island Southeast Shoal Buoy 2	45 02 41 N 87 28 51 W				Red nun.	Maintained from Apr. 28 to Nov. 14.  * 50/03
22014	<i>Oconto Harbor Lighted Bell Buoy</i>	44 53 00 N 87 46 00 W	FI R 4s		4	Red.	Maintained from May 1 to Oct. 14.  * 50/03

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## SECTION II

### CORRECTIONS TO PUB 110, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
16604 <i>J 6098</i>	-E. breakwater, head.	9° 23.3' N 79° 54.9' W	<b>Mo.(U)G.</b> period 20s fl. 0.5s, ec. 3s fl. 0.5s, ec. 3s fl. 5s, ec. 8s	108 33	<b>16</b>	Green metal tower, green triangular daymark.	F.R. on chimney 5.9 miles E. F.R. on signal station 1.7 miles E., Q.R. and 3 F.R. (vert.) on mast 1.9 miles SSE. 4 F.R. on each of 2 water tanks 3.5 miles SSE. F.R. 2.1 miles SSE.
	-RACON		<b>U(••-)</b>				
				*			50/03

### CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
10276 <i>K 3026</i>	-AVIATION LIGHT.	21° 10.2' S 149° 10.5' E	<b>Al.W.G.</b> period 7s	55 17	12	Steel tower; 53.	F.R. lights on tower 3.1 miles NNW.
		*	*				50/03

### CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*25494 <i>K 1494</i>	<b>Tg. Binanga.</b>	3° 20.3' S 118° 50.7' E	<b>Fl.W.</b> period 6s	79 24	<b>18</b>	White beacon.	
							50/03
*25496 <i>K 1493</i>	Tg. Ongkone.	3° 05.6' S 118° 46.6' E	<b>Fl.W.</b> period 4s	46 14	12	White beacon.	
							50/03
29180 <i>D 7573.2</i>	-"M35".	29° 04.8' N 48° 29.0' E	<b>Q.W.</b>			N. CARDINAL BY, beacon.	
	*	*					50/03
29184 <i>D 7588</i>	Jazirat Auhuh.	29° 22.6' N 48° 26.5' E	<b>Fl.(3)W.</b> period 10s	75 23	12	Steel framework tower, black and white bands; 67.	<i>Reported extinguished (1985).</i>
	*	*					50/03
29280 <i>D 7589.4</i>	-"M30", off SE. head.	29° 22.6' N 48° 23.4' E	<b>V.Q.(6)+L.Fl.W.</b> period 10s			S. CARDINAL YB, beacon.	
	*	*					50/03
*29281 <i>D 7589.55</i>	-No. "5".	29° 22.5' N 48° 24.1' E	<b>L.FLY.</b> period 10s			Yellow beacon.	
							50/03
29296 <i>D 7578.2</i>	Ras al Qulay'ah, "M40".	28° 56.0' N 48° 21.8' E	<b>Q.(3)W.</b> period 10s			E. CARDINAL BYB.	
	*	*					50/03
29296.1 <i>D 7578.4</i>	-"M41".	28° 54.2' N 48° 16.2' E	<b>Q.W.</b>			White beacon.	Occasional.
	*	*	*				50/03

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## SECTION II

### CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
29300 <i>D 7578</i>	-M39".	28° 55.2' N 48° 20.0' E	<b>Fl.(2)W.</b> period 15s			ISOLATED DANGER BRB.	50/03
	*	*					

### CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
1938 <i>D 1528</i>	-Espigon No. "3", N. corner, head.	43° 20.1' N 3° 01.7' W	<b>Fl.(2+1)G.</b> period 10s fl. 0.5s, ec. 0.7s fl. 0.5s, ec. 2.1s fl. 0.5s, ec. 5.7s	33 10	1	Framework tripod on white hut; 30.	50/03
			*	*	*	*	
1938.1 <i>D 1528.2</i>	-S. corner, head.	43° 20.0' N 3° 01.7' W	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s	39 12	1	Framework tripod on green hut; 30.	50/03
			*	*	*	*	
1939 <i>D 1530</i>	-Santurce harbor.	43° 19.8' N 3° 01.8' W	<b>Fl.(3)G.</b> period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	23 7	1	Green post; 13.	50/03
			*	*	*		
5152 <i>E 0311</i>	-Mole, SE. corner.	39° 25.3' N 3° 15.8' E	<b>Fl.(3)R.</b> period 8s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4.5s	15 5	1	Red column on white hut, red square; 8.	50/03
			*		*		
5154 <i>E 0311.2</i>	-Punta de sa Sinia, breakwater, head.	39° 25.5' N 3° 15.8' E	<b>Fl.(4)R.</b> period 11s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	10 3	1	Red column; 7.	50/03
			*	*	*	*	
5176 <i>E 0313</i>	-Jetty, head.	39° 20.0' N 3° 10.0' E	<b>Fl.(3)R.</b> period 8s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4.5s	21 6	5	PORT (A) R, beacon, topmark; 16.	50/03
			*		*		
12256 <i>E 2844</i>	-Luka Marinscica, E. breakwater, head.	45° 18.7' N 14° 28.6' E	<b>Fl.G.</b> period 3s fl. 0.3s, ec. 2.7s	38 12	3	Round metal tower; 16.	50/03
		*					
*12256.2 <i>E 2844.5</i>	-W. pier.	45° 18.7' N 14° 28.5' E	<b>Fl.(2)R.</b> period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	26 8	4	Red column; 13.	50/03

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## SECTION II

### CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*12256.4 <i>E 2844.8</i>	-Floating dock, SW. corner.	45° 18.5' N 14° 28.6' E	<b>Fl.(2)G.</b> period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s		4	Green column.	Visible 030°-191°.
							50/03
*19051.5	-Pier No. "5", head.	44° 43.6' N 37° 46.9' E	<b>F.G.</b>		2		
							50/03

### CORRECTIONS TO PUB 116, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
7108 <i>C 3142</i>	-Entrance to Kaliningradskiy Morskoy Kanal, N. side.						<i>Remove from list.</i>
							* 50/03
7112 <i>C 3143</i>	-S. side.						<i>Remove from list.</i>
							* 50/03
*8247 <i>C 7087.3</i>	-SE. Granso.	57° 44.1' N 16° 43.3' E	<b>I.V.Q.W.</b> period 6s	13 4	3	Yellow pole; 13.	Visible 270°-030°. <b>Radar reflector.</b>
							50/03

**Note:** Asterisks (\*) indicate that column(s) in which a correction has been made or new information added.  
Denotes a new entry when preceding the station number.



## SECTION II

NM 50/03

PUBLICATIONS AFFECTED BY NOTICE TO MARINERS  
THROUGH NM 50/03

Note: \* indicates New Edition/New Publication; \*\* indicates Publication Canceled; N indicates Not For Sale

NGA Reference No.	Ed.	Notice to Mariners No.	NGA Reference No.	Ed.	Notice to Mariners No.	NGA Reference No.	Ed.	Notice to Mariners No.
<b>NGA HYDRO CATALOG C ATP2V01U</b>			SDPUB124	2001	18*,44,45,47,48,49,52/01:17,19,20,21,29,30,31,34,46,50/02:24,25,27,28,29,30,32,35,36,37,39,44,48/03	SDPUB191	2000	5*,7,8,9,10,11,12,13,14,15,16,17,18,19,20,22,23,27,28,29,30,31,33,34,36,44,45,47,48/01;10,14,15,16,17,42,50/02:2,9,12,15,18,22/03
Region 1	2002	1*,2,3,4,7,8,9,10,11,14,15,17,19,20,21,22,23,24,25,26,27,28,29,30,31,32,35,36,37,38,39,40,41,42,43,44,45,46,47,48,50/03	SDPUB126	2002	39*,41,42,43,44,45,48/02:24,26,27,28,30,32,41/03	SDPUB193	2000	27*,38,49/00;9,26,27,31,32/01;14,15,26,52/02;18,19,20,23,29/03
Region 2	2002	1*,8,15,17,20,21,22,23,24,26,28,30,32,33,34,44,48/03	SDPUB132	2000	39*,45/00;16,17,31,35/01;1,12,21,25,26/02;2,10/03	SDPUB195	2002	33*,40,49,51,52/02;1,2,3,15,16,21,32,33,41,43,46,49/03
Region 3	2002	1/03*	SDPUB140	2001	21*,48,49,51/01;8,17,23,32,42,43,44,46,47,48,50/02;4,6,7,8,9,11,12,15,19,21,22,23,24,25,26,31,32,34,37,42,43/03	SDPUB200	2002	38*,39,42/02;22,27,34,41/03
Region 4	2002	1*,23,43/03	SDPUB141	2001	21*,38/01	<b>USCG LIGHT LIST VOLUMES I - VII</b>		
Region 5	2002	1*,3,5,8,22,27,30,33,38,48/03	SDPUB142	2000	49/00*;3,31,35/01;1,15,43/02	COMDTM165021	2003	17*,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,36,37,38,39,40,41,42,43,44,45,48,50/03
Region 6	2002	1*,10,11,13,16,19,20,21,25,28,30,33,38,50/03	SDPUB145	2000	13*,14,18,19,22,26,32,37,38,46,47,51,53/00;1,4,5,7,10,12,28,29,35,52/01;14,27/02	COMDTM165022	2003	17*,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50/03
Region 7	2002	1*,11,15,28/03	SDPUB147	2001	35/01*;21,22,23,24/02;39,40,41,46,50/03	COMDTM165023	2003	17*,18,19,20,21,23,24,25,26,28,29,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50/03
Region 8	2002	1*,14,37,41,46/03	SDPUB148	2001	48/01*;23,24/02;22,42,43,45,48,50/03	COMDTM165024	2003	18*,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,41,43,44,45,46,47,48,49,50/03
Region 9	2002	1*,34,40,43,45,48,50/03	SDPUB153	2000	6/01*;28,30,41,44,46,47,48,52/02;1,3,4,8,13,15,22,25,32,35,37,38,39,40,43/03	COMDTM165025	2002	16/02*
Miscellaneous Charts and Publications	2002	1*,2,4,5,6,7,9,11,12,13,15,17,18,19,20,21,23,24,25,27,28,29,30,31,32,33,34,36,37,38,39,41,42,43,45,46,47,48,49/03	SDPUB154	2002	17*,19,31,42,44,45,46,48,50/02;3,14,19,23,30,41,42,47/03	COMDTM165026	2003	18*,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50/03
<b>NGA LIST OF LIGHTS</b>			SDPUB155	2001	31*,48/01;10,45,46/02	COMDTM165027	2003	18*,20,21,22,23,24,26,27,28,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50/03
LLPUB110	2003	7*,8,9,11,13,14,15,16,17,18,20,21,23,24,25,26,27,28,29,31,32,33,34,36,37,38,39,41,42,43,44,47,49,50/03	SDPUB159	2002	42*,48/02			
LLPUB111	2003	33*,34,35,36,37,38,39,40,41,43,45,47,49,50/03	SDPUB160	2002	47*,48,49,52/02;6,8,10,11,19,21,22,23,30,33,36,39,41,43,48,49/03			
LLPUB112	2003	4*,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,50/03	SDPUB161	2002	23*,24,44,47,48/02;5,12/03			
LLPUB113	2003	46*,48,49,50/03	SDPUB162	2001	51/01*;5,12/03			
LLPUB114	2003	17*,19,21,22,23,24,27,31,32,40,43,44,46/03	SDPUB163	2002	18*,20,21,26,46,51/02;13,24,26,27,28,29,30,31,39,40,41,43,47,48/03			
LLPUB115	2003	42*,44,46,47,48,49/03	SDPUB164	2000	30/00*;31,35,36/01;8,28/03			
LLPUB116	2003	24*,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,47,48,49,50/03	SDPUB171	2001	40*,47,48,52/01;5,9,14,16,41/02;23,24,26,41/03	<b>FLEET GUIDES</b>		
<b>SAILING DIRECTIONS</b>			SDPUB172	2001	1*,2,3,5,6,7,8,9,14,15,16,17,18,19,20,22,24/02;1,11,12,13,14,15,19,20,22,23,25,26,27,28,29,31,32,33,34,35,37,38,39,40,43,44,45,46,47,48/03	FGPUB940ATL	2001	N47/01*
CDPUBSD125	2003	19*,43,49/03	SDPUB173	2002	50*,51/02;3,22,24,25,26,27,32,33,34,37,38,49,50/03	FGPUB941PAC	2001	N22/01*
CDPUBSD127	2003	39/03*	SDPUB174	2000	7*,19,37,45,51,52/01;1,5,14,19,22,28,33,37,38,48/02;30,39,40,41,43/03	<b>NOS MISCELLANEOUS PUBLICATIONS</b>		
CDPUBSD131	2002	9/03*	SDPUB175	2001	41*,43,45,51/01;8,11,12,13,14,16,17,21,27,37,41,49/02;26,27,29,32,37,38,43,47/03	NOSPBCATALOG1	2000	20/00*
CDPUBSD143	2003	46/03*	SDPUB180	2002	32*,33,42,47,48,50/02;6,13,14,17,21,24,42,44,47,48,49/03	NOSPBCATALOG2	2000	34/00*
CDPUBSD146	2002	4/03*	SDPUB181	2002	38*,39/02	NOSPBCATALOG3	2000	28/00*
CDPUBSD157	2003	17/03*	SDPUB182	2001	8*,10,12,41/02;17/03	NOSPBCATALOG4	2000	34/00*
CDPUBSD158	2003	24/03*	SDPUB183	2001	27/01*;13,15,16/02;18/03	<b>ALMANACS</b>		
CDPUBSD192	2003	32*,36,38,39,40,41,42,43/03				AIRALMANAC401	2004	29/03*
CDPUBSD194	2002	6*,8,15,17,30,33,35,37,38,39,40/03				NAUTALMANAC04	2004	29/03*
SDPUB120	2001	12*,18,48,49,51/01;8,13,14,21,22,24,29,33,35,37,42,43,44,45,47/02;4,6,7,8,9,10,11,12,14,17,20,21,23,29,30,31,41,42,44,45/03				<b>COAST PILOT</b>		
SDPUB123	2001	45*,47,48/01;1,14,17,18,19/02;24,25,27,28,32,38,42/03				NOSPBCP1	33	27*,28,29,32,33,34,39,42,46,48/03
						NOSPBCP2	32	17*,18,21,22,26,28,30,32,33,35,36,39,42,43,45/03
						NOSPBCP3	36	34*,36,42,43,44,46,48,50/03
						NOSPBCP4	35	34*,36,39,42,44,46,47/03
						NOSPBCP5	30	2*,6,10,12,14,18,20,27,30,32,35,36,37,39,42/03
						NOSPBCP6	33	23*,27,29,32,34,39,42,46,48/03
						NOSPBCP7	35	37*,38,39,42,44,45,48/03

**PUBLICATIONS AFFECTED BY NOTICE TO MARINERS  
THROUGH NM 50/03**

Note: \* indicates New Edition/New Publication; \*\* indicates Publication Canceled; N indicates Not For Sale

NGA Reference No.	Ed.	Notice to Mariners No.
NOSPBCP8	25	32*,33,34,39,42,48/03
NOSPBCP9	21	30*,32,33,36,39,42,48/03
<b>RADIO NAVIGATIONAL AIDS</b>		
RAPUB117	2002	50/02*;13/03
<b>AMERICAN PRACTICAL NAVIGATOR</b>		
NVPUB9	2002	36/02*;14,38/03
<b>INTERNATIONAL CODE OF SIGNALS</b>		
CDPUBNV102	2003	20/03*
<b>WORLD PORT INDEX</b>		
NVPUB150	2000	50/00*;14,15,16,20,21,41,42,43,44,45,46,47,48,49,51,52/01;1,2,5,6,10,11,12,16,19,21,22,27,31,32,33,36,39,40,42,46,49/02;2,7,10,15,20/03
<b>DISTANCES BETWEEN PORTS</b>		
NVPUB151	2001	4/02*
<b>RADAR NAVIGATION AND MANEUVERING BOARD MANUAL</b>		
CDPUBNV1310	2001	51/01*
<b>SIGHT REDUCTION TABLES (MARINE)</b>		
SRPUB229V1	1970	11/71*
SRPUB229V2	1970	11/71*
SRPUB229V3	1970	7/71*
SRPUB229V4	1970	3/71*
SRPUB229V5	1970	3/71*
SRPUB229V6	1970	23/70*
<b>SIGHT REDUCTION TABLES (AIR)</b>		
SRPUB249V1	2000	4/01*
SRPUB249V2	1952	46/52*
SRPUB249V3	1952	46/52*
<b>CHART NO. 1</b>		
WOBZC1	1997	18/98*
<b>CHART NO. 4</b>		
WOBZC4	1988	N23/91*
<b>ATLAS OF PILOT CHARTS</b>		
NVPUB106	2002	42/03*
NVPUB107	1998	30/99*
NVPUB109	2001	49/02*
<b>USCG NAVIGATION RULES</b>		
COMDTM166722D	1999	44/99*;52/00
<b>NOS TIDE TABLES</b>		
NOSPBTTCPACIN3	2003	N4/03*
NOSPBTTCECSTNSA3	2003	N4/03*
NOSPBTTTEURAFR3	2003	N4/03*
NOSPBTTWCSTNSA3	2003	N4/03*
<b>TIDAL CURRENT TABLES</b>		
NOSPBTCATCSTN3	2003	N4/03*
NOSPBCTPACAS3	2003	N4/03*

**BROADCAST WARNINGS**

Details concerning the particulars of the broadcasting of radio navigational warnings may be found in Radio Navigational Aids, Pub. 117.

**NAVAREA IV**

Messages in force 261200Z November 2003:

2003 series	387(GEN)	449(11,26)	451(GEN)
108(26,27)	420(24)	450(11,26)	

The summary of all NAVAREA IV messages in force as of 12 December 2002 is given in Section III of NM 52/02. Warnings issued during the subsequent quarters are issued in NM 13/03, 26/03 and 39/03.

**NAVAREA IV WARNINGS issued from 191200Z to 261200Z November 2003.**

448/03. CANCELED.

449/03(11,26). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

## 1. HAZARDOUS OPERATIONS:

- A. 0500Z TO 0459Z COMMENCING DAILY  
24 THRU 30 NOV IN AREA BOUND BY  
30-45N 080-54W, 30-45N 079-40W,  
30-34N 080-33W, 30-33N 080-55W.
- B. 0500Z TO 0459Z COMMENCING DAILY  
24 THRU 30 NOV IN AREA BETWEEN  
29-10N 29-20N AND 079-40W 079-50W.
- C. 251300Z TO 270459Z NOV IN AREA BETWEEN  
30-00N 29-50N AND 081-00W 080-50W.
- D. 0500Z TO 0459Z COMMENCING DAILY  
24 THRU 30 NOV IN AREA BETWEEN  
30-50N 31-10N AND 080-40W 080-30W.

## 2. CANCEL THIS MSG 010559Z DEC.

(211530Z NOV 2003)

450/03(11,26). NORTH ATLANTIC. GPS SATELLITE SYSTEM.

- 1. GPS JAMMING EXERCISES 1600Z TO 2000Z DAILY 22 THRU 30 NOV  
AND 0001Z TO 0400Z DAILY 02 THRU 18 DEC  
WITHIN 70 MILES OF 33-40N 076-00W.
- 2. CANCEL THIS MSG 180500Z DEC.

(211700Z NOV 2003)

451/03(GEN).

- 1. NAVAREA IV MESSAGES IN FORCE 221000Z NOV 2003. ONLY THOSE  
MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2003 SERIES: 420(24), 441(GEN), 443(GEN), 449(11,26),  
450(11,26).
- 2. THE SUMMARY OF ALL NAVAREA IV MESSAGES IN FORCE AS OF  
12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02. WARNINGS  
ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED  
IN NM 13/03, 26/03 AND 39/03.
- 3. CANCEL NAVAREA IV 447/03.

(221020Z NOV 2003)

452/03 and 453/03. CANCELED.



## SECTION III

NM 50/03

## HYDROLANTS

Messages in force 261200Z November 2003:

2000 series	2003 series	1606(24)	1999(23)	2143(52)	2194(24)
2937(38)	41(37)	1620(53,56)	2004(24)	2144(22)	2195(24)
3762(43)	67(37)	1647(51,52)	2021(53)	2153(24)	2197(35)
4265(44)	544(55)	1731(35)	2031(55)	2159(57,61)	2198(52,53)
2001 series	604(26,27)	1780(51,52)	2035(37)	2162(37)	2199(52,53)
611(44)	738(35)	1833(37)	2046(53)	2168(57)	2200(52)
2700(37)	754(37)	1834(22)	2049(53)	2170(24)	2202(51)
3161(44)	867(37)	1863(37)	2053(37)	2175(24)	2203(53)
2002 series	1117(37)	1912(55)	2054(36,37)	2176(55)	2204(52,53)
245(GEN)	1242(24)	1940(54)	2058(24)	2178(24)	2207(24)
246(GEN)	1255(44)	1944(53)	2081(36,37,51)	2180(24)	2208(52,53)
2203(51)	1291(37)	1948(24)	2111(53)	2181(23)	2209(36)
2682(51)	1374(52,53)	1958(GEN)	2116(24)	2183(37)	2210(35)
2848(37)	1422(53)	1960(GEN)	2118(57)	2184(53)	2212(23,24)
2869(52)	1472(35)	1961(37)	2124(54)	2186(GEN)	2213(53)
2882(54)	1522(51,52)	1963(53)	2129(24)	2188(52)	
2883(54)	1553(37)	1995(53)	2130(24)	2193(53)	

The summary of all HYDROLANTS in force as of 12 December 2002 is given in Section III of NM 52/02. Warnings issued during the subsequent quarters are issued in NM 13/03, 26/03 and 39/03.

**HYDROLANT WARNINGS issued from 191200Z to 261200Z November 2003.**

2174/03. CANCELED.

2175/03(24). BRAZIL-SOUTH COAST.  
CHART 24150 (27TH ED).  
RACON AT PONTA DO BOI LIGHT 23-58S 045-15W INOPERATIVE.

(201020Z NOV 2003)

2176/03(55). BLACK SEA. MISSILES.  
1. HAZARDOUS OPERATIONS 0300Z TO 1700Z DAILY  
25 THRU 29 NOV IN AREA BOUND BY  
45-06.2N 036-54.3E, 45-02.0N 037-07.1E,  
44-24.4N 037-12.8E, 44-16.4N 037-13.1E,  
44-15.0N 036-52.4E, 44-16.4N 036-32.0E,  
44-24.4N 036-32.6E, 45-02.2N 036-37.8E,  
45-06.2N 036-50.6E.  
2. CANCEL THIS MSG 291800Z NOV.

(201420Z NOV 2003)

2177/03. CANCELED.

2178/03(24). BRAZIL-SOUTH COAST.  
1. DERELICT VESSEL ADRIFT IN 24-04.3S 046-23.5W.  
2. CANCEL HYDROLANT 2150/03 AND 2172/03.  
3. CANCEL THIS MSG 28 NOV.

(210710Z NOV 2003)

2179/03. CANCELED.

2180/03(24). BRAZIL-NORTH COAST.  
1. SEISMIC SURVEY IN PROGRESS UNTIL 290300Z NOV  
BY M/V RAMFORM VIKING TOWING EIGHT 6000 METER  
LONG CABLES IN AREA BOUND BY  
03-08S 038-46W, 02-39S 038-31W,  
02-43S 038-23W, 03-12S 038-38W.  
FIVE MILE BERTH REQUESTED.  
2. CANCEL HYDROLANT 2158/03.  
3. CANCEL THIS MSG 290400Z NOV.

(210850Z NOV 2003)

- 2181/03(23). SOUTH ATLANTIC. ICE.  
 1. ICEBERGS REPORTED ON 21 NOV:  
 A. A-38A, 22 MILES BY 48 MILES IN 57-54S 040-42W.  
 B. A-38B, 22 MILES BY 25 MILES IN 55-12S 039-54W.  
 C. A-38C, SEVEN MILES BY 11 MILES IN 56-24S 035-42W.  
 D. A-38D, TWO MILES BY TEN MILES IN 56-24S 032-36W.  
 E. A-43B, 13 MILES BY 40 MILES IN 54-24S 039-06W.  
 F. A-43C, 24 MILES BY 41 MILES IN 52-42S 029-24W.  
 G. A-43I, TWO MILES BY 12 MILES IN 53-24S 040-24W.  
 H. A-48, NINE MILES BY TEN MILES IN 57-00S 043-18W.  
 2. CANCEL THIS MSG 28 NOV. (211050Z NOV 2003)
- 2182/03. CANCELED.
- 2183/03(37). ENGLAND-EAST COAST.  
 CABLE LAYING OPERATIONS IN PROGRESS UNTIL FURTHER  
 NOTICE BY BARGE PONTRA MARIS VICINITY  
 52-37.5N 001-46.0E. WIDE BERTH REQUESTED. (211500Z NOV 2003)
- 2184/03(53). SICILIA-NORTHEAST COAST.  
 1. OCEANOGRAPHIC OPERATIONS 24 NOV UNTIL FURTHER NOTICE  
 BY M/V THESIS IN AREA BETWEEN 38-00.7N 38-19.8N  
 AND 015-26.1E 015-45.3E. WIDE BERTH REQUESTED.  
 2. CANCEL HYDROLANT 2155/03(37), OPERATIONS COMPLETED. (211750Z NOV 2003)
- 2185/03. CANCELED.
- 2186/03(GEN).  
 1. HYDROLANT MESSAGES IN FORCE 221200Z NOV 2003. ONLY THOSE  
 MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
 2003 SERIES: 1940(54), 1944(53), 1948(24), 1958(GEN), 1960(GEN),  
 1961(37), 1963(53), 1995(53), 1999(23), 2004(24), 2021(53),  
 2031(55), 2035(37), 2046(53), 2049(53), 2053(37), 2054(36,37),  
 2058(24), 2081(36,37,51), 2083(53,54), 2111(53), 2116(24),  
 2118(57), 2122(24), 2124(54), 2128(GEN), 2129(24), 2130(24),  
 2143(52), 2144(22), 2146(54,56), 2153(24), 2159(57,61),  
 2162(37), 2167(53), 2168(57), 2170(24), 2171(24), 2173(23,24),  
 2174(24), 2175(24), 2176(55), 2178(24), 2179(24), 2180(24),  
 2181(23), 2183(37), 2184(53).  
 2. THE SUMMARY OF ALL HYDROLANT MESSAGES IN FORCE AS OF  
 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02. WARNINGS  
 ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED  
 IN NM 13/03, 26/03 AND 39/03.  
 3. CANCEL HYDROLANT 1907/03, 2142/03, 2154/03. (221310Z NOV 2003)
- 2187/03. CANCELED.
- 2188/03(52). ALGERIA.  
 CHART 52060 (16TH ED).  
 ILE RACHGOUN LIGHT 35-19.5N 001-28.7W UNLIT. (221443Z NOV 2003)
- 2189/03 thru 2192/03. CANCELED.
- 2193/03(53). SICILIA-SOUTH COAST.  
 1. UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE  
 BY M/V POLAR PRINCE ALONG TRACKLINE BETWEEN  
 36-58.5N 014-14.2E AND COASTLINE.  
 2. CANCEL HYDROLANT 2083/03(53,54). (231720Z NOV 2003)
- 2194/03(24). BRAZIL-SOUTH COAST.  
 1. SEISMIC SURVEY IN PROGRESS UNTIL 280159Z NOV  
 BY M/V CGG HARMATTAN TOWING SIX 6000 METER  
 LONG CABLES ALONG TRACKLINE BETWEEN  
 25-24S 045-06W AND 25-56S 046-00W.  
 FOUR MILE BERTH REQUESTED.  
 2. CANCEL THIS MSG 280259Z NOV. (241005Z NOV 2003)

SECTION III

NM 50/03

- 2195/03(24). BRAZIL-SOUTH COAST.  
1. SEISMIC SURVEY IN PROGRESS UNTIL 280159Z NOV BY  
M/V VERITAS VIKING I TOWING SIX 6000 METER  
LONG CABLES IN AREA BOUND BY  
24-57.6S 044-58.8W, 24-52.5S 045-07.4W,  
24-43.6S 045-00.9W, 24-48.7S 044-52.4W.  
SIX MILE BERTH REQUESTED.  
2. CANCEL THIS MSG 280259Z NOV. (241010Z NOV 2003)
- 2196/03. CANCELED.
- 2197/03(35). SCOTLAND. GPS SATELLITE SYSTEM.  
1. GPS JAMMING EXERCISES 1245Z TO 1445Z DAILY  
24 THRU 27 NOV WITHIN:  
A. 30 MILES OF 57-50N 005-35W.  
B. 16 MILES OF 58-36N 004-47W.  
2. CANCEL THIS MSG 271545Z NOV. (241150Z NOV 2003)
- 2198/03(52,53). STRAIT OF SICILY.  
1. DERELICT TEN METER VESSEL, WHITE HULL,  
ADRIFT VICINITY 36-19.4N 011-43.0E.  
REPORTS TO ANY COASTAL RADIO STATION.  
2. CANCEL THIS MSG 01 DEC. (241210Z NOV 2003)
- 2199/03(52,53). STRAIT OF SICILY.  
1. DERELICT SEVEN METER VESSEL, BLUE HULL,  
ADRIFT VICINITY 36-21.9N 011-55.6E.  
REPORTS TO ANY COASTAL RADIO STATION.  
2. CANCEL THIS MSG 01 DEC. (241220Z NOV 2003)
- 2200/03(52). ALBORAN SEA. MISSILES.  
1. HAZARDOUS OPERATIONS 0600Z TO 2359Z DAILY  
26 NOV THRU 08 DEC IN AREA BETWEEN  
36-00N 35-50N AND 003-40W 004-50W.  
2. CANCEL THIS MSG 090059Z DEC. (241425Z NOV 2003)
- 2201/03. CANCELED.
- 2202/03(51). MOROCCO. HAZARDOUS OPERATIONS.  
1. HAZARDOUS OPERATIONS 0700Z TO 1800Z DAILY  
28 NOV THRU 31 DEC IN AREA BOUND BY  
28-46.5N 010-48.5W, 29-18.0N 011-06.0W,  
29-08.0N 011-28.0W, 28-42.8N 010-56.7W.  
2. CANCEL THIS MSG 311900Z DEC. (241520Z NOV 2003)
- 2203/03(53). SICILIA-EAST COAST.  
CHART 53212 (2ND ED).  
PUNTA GENNALENA LIGHT 37-11.8N 015-11.2E UNLIT. (241540Z NOV 2003)
- 2204/03(52,53). STRAIT OF SICILY.  
1. 33 METER F/V NASSER, GREEN AND WHITE HULL,  
11 PERSONS ON BOARD. UNREPORTED VICINITY  
STRAIT OF SICILY. VESSELS IN VICINITY  
REQUESTED TO KEEP A SHARP LOOKOUT.  
ASSIST IF POSSIBLE. REPORTS TO MRCC ROME,  
TELEX: 4361 1172, PHONE: 390 6592 4145,  
FAX: 390 6590 84793.  
2. CANCEL HYDROLANT 2201/03(35), OPERATIONS CANCELED. (241900Z NOV 2003)
- 2205/03 and 2206/03. CANCELED.
- 2207/03(24). BRAZIL-SOUTH COAST.  
1. DERELICT F/V ADRIFT IN 25-17.5S 045-10.6W  
AT 232245Z NOV.  
2. CANCEL THIS MSG 02 DEC. (250820Z NOV 2003)

- 2208/03(52,53). SARDEGNA-SOUTH COAST. GUNNERY.  
 1. GUNNERY EXERCISES 0800Z TO 1700Z DAILY 25 THRU 28 NOV  
 AND 290800Z TO 291130Z NOV IN AREA BOUND BY  
 38-55-10N 008-42-30E, 38-50-00N 008-48-00E,  
 38-46-15N 008-48-00E, 38-43-30N 008-41-15E,  
 38-49-00N 008-26-00E, 38-56-10N 008-26-40E,  
 38-57-00N 008-37-06E.  
 2. CANCEL THIS MSG 291230Z NOV.

(251140Z NOV 2003)

- 2209/03(36). IRELAND-EAST COAST.  
 1. SALVAGE OPERATIONS IN PROGRESS UNTIL FURTHER  
 NOTICE VICINITY 52-53.2N 006-02.4W.  
 2. CANCEL HYDROLANT 2122/03(24) AND 2206/03(54,56).

(251850Z NOV 2003)

- 2210/03(35). SCOTLAND-WEST COAST. MISSILES.  
 1. HAZARDOUS OPERATIONS 260900Z TO 261600Z NOV  
 IN AREA BOUND BY  
 57-22N 008-13W, 57-24N 008-23W,  
 57-43N 008-11W, 57-41N 007-59W.  
 2. CANCEL THIS MSG 261700Z NOV.

(252217Z NOV 2003)

2211/03. CANCELED.

- 2212/03(23,24). SOUTH ATLANTIC. URUGUAY.  
 1. HYDROGRAPHIC SURVEY IN PROGRESS UNTIL 290300Z NOV  
 BY M/V ROU 22 OYARVIDE IN AREA BOUND BY  
 34-30.50S 053-34.75W, 34-35.83S 053-30.00W,  
 34-26.46S 053-21.66W, 34-22.43S 053-27.60W.  
 1.5 MILE BERTH REQUESTED.  
 2. CANCEL HYDROLANT 2173/03.  
 3. CANCEL THIS MSG 290400Z NOV.

(260233Z NOV 2003)

- 2213/03(53). SARDEGNA-NORTHEAST COAST. ORDNANCE.  
 1. UNDERWATER ORDNANCE DETONATIONS 26 NOV WITHIN  
 4000 METERS OF 40-56.4N 009-47.0E.  
 2. CANCEL THIS MSG 27 NOV.

(260955Z NOV 2003)

## SECTION III

NM 50/03

## NAVAREA XII

Messages in force 261200Z November 2003:

2003 series            262(GEN)            344(18)            345(GEN)            348(GEN)            351(19)

The summary of all NAVAREA XII messages in force as of 12 December 2002 is given in Section III of NM 52/02. Warnings issued during the subsequent quarters are issued in NM 13/03, 26/03 and 39/03.

**NAVAREA XII WARNINGS issued from 191200Z to 261200Z November 2003.**

344/03(18). EASTERN NORTH PACIFIC. MISSILES.

1. INTERMITTENT MISSILE FIRING OPERATIONS 0001Z TO 2359Z DAILY MONDAY THRU SUNDAY IN THE NAVAL AIR WARFARE CENTER SEA RANGE. THE MAJORITY OF MISSILE FIRINGS TAKE PLACE 1400Z TO 2359Z AND 0001Z TO 0200Z DAILY MONDAY THRU FRIDAY. THE SEA RANGE IS BOUND AS FOLLOWS:

A. 34-02N 119-04W.            M. THENCE THREE NAUTICAL MILES

FROM AND PARALLEL

B. 33-52N 119-06W.            TO THE SHORELINE.

C. 33-29N 119-07W.            N. 34-24N 120-30W.

D. 33-29N 118-37W.            O. 34-08N 120-26W.

E. 33-20N 118-37W.            P. 34-08N 119-40W.

F. 32-11N 120-16W.            Q. 34-00N 119-40W.

G. 31-54N 121-35W.            R. 34-06N 119-13W.

H. 35-09N 123-39W.            S. 34-06N 119-11W.

I. 35-29N 123-00W.            T. 34-07N 119-10W.

J. 35-04N 122-43W.            U. 34-07N 119-07W.

K. 35-57N 121-32W.            V. 34-04N 119-04W.

L. 34-59N 120-42W.

2. VESSELS MAY BE REQUESTED TO ALTER COURSE WITHIN THE ABOVE AREA DUE TO FIRING OPERATIONS AND ARE REQUESTED TO CONTACT PLEAD CONTROL ON 5081.5 KHZ (5080 KHZ) OR 3238.5 KHZ (3237 KHZ) SECONDARY OR 156.8 MHZ (CH 16) OR 127.55 MHZ BEFORE ENTERING THE ABOVE BOUNDARIES AND MAINTAIN CONTINUOUS GUARD WHILE WITHIN THE RANGE.
3. VESSELS INBOUND AND OUTBOUND FOR SOUTHERN CALIFORNIA PORTS WILL CREATE THE LEAST INTERFERENCE TO FIRING OPERATIONS DURING THE SPECIFIC PERIODS, AS WELL AS ENHANCE THE VESSEL'S SAFETY WHEN PASSING THROUGH THE VICINITY OF THE SEA RANGE. IF THEY WILL TRANSIT VIA THE SANTA BARBARA CHANNEL AND WITHIN NINE MILES OFFSHORE VICINITY OF POINT MUGU OR CROSS THE AREA SOUTHWEST OF SAN NICOLAS ISLAND BETWEEN SUNSET AND SUNRISE.
4. CANCEL NAVAREA XII 336/03.

(201010Z NOV 2003)

345/03(GEN).

1. NAVAREA XII MESSAGES IN FORCE 221000Z NOV 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN. 2003 SERIES: 310(19), 334(GEN), 344(18).
2. THE SUMMARY OF ALL NAVAREA XII MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/03, 26/03 AND 39/03.
3. CANCEL NAVAREA XII 342/03.

(221025Z NOV 2003)

346/03 and 347/03. CANCELED.

348/03(GEN). NORTH PACIFIC. RUSSIA. ALASKA.

1. LORAN-C STATION PETROPVLOVSK, RATE 5980-MASTER, OFF AIR.
2. LORAN-C STATION ATTU, RATE 5980-X, UNUSABLE.

(232254Z NOV 2003)

349/03 and 350/03. CANCELED.

351/03(19). NORTH PACIFIC. HAWAII. MISSILES.

1. INTERMITTENT MISSILE FIRING OPERATIONS 0001Z TO 2400Z DAILY MONDAY THRU SUNDAY IN THE PACIFIC MISSILE RANGE FACILITY, HAWAIIAN AREA, BARKING SANDS, KAUAI. THE MAJORITY OF MISSILE FIRINGS TAKE PLACE 1600Z TO 0400Z DAILY MONDAY THRU FRIDAY. THE PACIFIC MISSILE RANGE FACILITY HAWAIIAN AREA (W188) IS BOUND BY:

A. 22-00.0N 159-51.0W.

B. 22-00.0N 160-00.0W THENCE CCW THREE MILES FROM

C. 22-02.7N 160-09.1W.            NIIHAU/LEHUA.

D. 22-03.0N 160-21.0W.

E. 22-05.0N 161-35.0W THENCE CW 100 MILES FROM

F. 22-02.4N 159-47.3W.            BARKING SANDS TACAN.

G. 22-45.0N 161-25.0W.

- H. 22-56.0N 161-49.0W THENCE CW 125 MILES FROM
  - I. 22-02.4N 159-47.3W. BARKING SANDS TACAN.
  - J. 23-57.0N 160-41.0W.
  - K. 25-41.0N 161-36.0W THENCE CW 240 MILES FROM
  - L. 22-02.4N 159-47.3W. BARKING SANDS TACAN.
  - M. 25-47.0N 158-15.0W.
  - N. 23-54.0N 158-15.0W.
  - O. 22-20.0N 159-09.0W THENCE CCW 25 MILES FROM
  - P. 21-58.1N 159-20.5W. LIHUE VORTAC.
  - Q. 22-13.0N 159-42.0W THENCE CCW THREE MILES AND PARALLEL TO THE SHORELINE OF KAUAI.
  - R. 22-00.0N 159-51.0W.
2. VESSELS MAY BE REQUESTED TO ALTER COURSE WITHIN THE ABOVE AREA DUE TO FIRING OPERATIONS AND ARE REQUESTED TO CONTACT "MISSILE RANGE BARKING SANDS" ON 2182 KHZ, 4491 USB OR 156.8 MHZ (CHANNEL 16) BEFORE ENTERING THE ABOVE BOUNDARIES. IF UNABLE TO CONTACT THE PACIFIC MISSILE RANGE FACILITY PRIOR TO ENTERING OR WHILE IN THE WARNING AREA, RELAY MESSAGES THROUGH U.S. COAST GUARD HONOLULU.
  3. VESSELS INBOUND AND OUTBOUND FOR HAWAIIAN PORTS WILL CREATE THE LEAST INTERFERENCE TO FIRING OPERATIONS AS WELL AS ENHANCE THE VESSEL'S SAFETY BY PASSING SOUTH OF THE ISLANDS OF KAUAI AND NIIHAU DURING SPECIFIED TIMES.
  4. CANCEL NAVAREA XII 310/03.

(261020Z NOV 2003)

## SECTION III

NM 50/03

## HYDROPACS

Messages in force 261200Z November 2003:

2001 series	880(63)	1688(62)	1829(93)	1949(74)	2023(GEN)
1976(62)	895(62)	1697(61)	1834(73,74)	1951(63)	2024(61)
2002 series	960(63)	1699(63)	1837(GEN)	1952(61)	2025(GEN)
205(GEN)	992(62)	1700(62)	1842(61)	1959(76)	2027(75)
206(GEN)	993(62)	1732(75)	1843(61)	1960(74)	2028(96)
352(73)	998(71)	1733(75)	1857(95)	1962(63)	2030(74)
403(72,73)	1041(71)	1734(74)	1858(94,95)	1971(72)	2031(63)
2191(22)	1198(92)	1735(95,97)	1864(61)	1973(63)	2032(63)
2199(63)	1213(73)	1736(63)	1865(95)	1975(73,74)	2033(63)
2330(62)	1220(62)	1743(63)	1866(62)	1979(81)	2035(22)
2339(63)	1222(62)	1745(96)	1867(94,95)	1980(76,83)	2036(19,97)
2003 series	1248(63)	1777(63)	1868(94,95)	1982(GEN)	2038(GEN)
167(95)	1266(73)	1781(76,83)	1869(95)	1983(57,61)	2039(81,82)
197(71)	1267(73)	1782(71)	1872(81)	1991(73,74)	2040(63)
207(62)	1330(62)	1783(74)	1887(81)	1992(63)	2041(63)
445(96)	1371(71,93)	1785(96)	1890(81)	1996(74)	2044(75)
495(62)	1395(62)	1791(93)	1892(73)	1998(61)	2045(95)
496(62)	1398(74)	1794(62)	1893(73)	2001(63)	2046(95)
506(62)	1485(22)	1799(83,76)	1903(95)	2004(73,74)	2047(94,95)
515(73)	1514(62)	1801(96)	1906(19,97)	2005(75)	2048(94,95)
525(73,74)	1518(62)	1803(74)	1910(71)	2006(95)	2049(94,95)
638(62)	1646(63)	1809(62)	1911(62)	2008(97)	2050(95)
667(62)	1649(94,97)	1811(74)	1914(96,97)	2012(74)	
760(63)	1652(63)	1819(61)	1928(74)	2015(96)	
761(63)	1653(63)	1820(61)	1930(81,97)	2016(GEN)	
801(72)	1655(29)	1821(83)	1936(63)	2021(93,94)	

The summary of all HYDROPACS in force as of 12 December 2002 is given in Section III of NM 52/02. Warnings issued during the subsequent quarters are issued in NM 13/03, 26/03 and 39/03.

**HYDROPAC WARNINGS issued from 191200Z to 261200Z November 2003.**

1995/03. CANCELED.

1996/03(74). AUSTRALIA-WEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE BY M/V PACIFIC SWORD TOWING FOUR MILE LONG CABLE IN AREA BETWEEN 28-30S 30-00S AND 112-30E 114-00E. SIX MILE BERTH REQUESTED.
2. CANCEL HYDROPAC 1994/03(74,75).
3. CANCEL HYDROPAC 1944/03.

(191700Z NOV 2003)

1997/03. CANCELED.

1998/03(61). MOZAMBIQUE CHANNEL.

CHART 61440 (2ND ED).  
ILE JUAN DE NOVA LIGHT 17-03.1S 042-41.8E UNLIT.

(200242Z NOV 2003)

1999/03 and 2000/03. CANCELED.

2001/03(63). INDIA-WEST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 05 DEC BY M/V C-ORION TOWING SIX 5000 METER LONG CABLES IN AREA BETWEEN 17-41.9N 17-35.0N AND 072-19.8E 072-40.1E. WIDE BERTH REQUESTED.
2. CANCEL HYDROPAC 1922/03.
3. CANCEL THIS MSG 06 DEC.

(201150Z NOV 2003)

2002/03 and 2003/03. CANCELED.

2004/03(73,74). TORRES STRAIT.

CHART 74293 (7TH ED).  
SUGAR-RAN REEF LIGHT, FL R 2.5 SEC 7 METERS 6 MILES,  
ESTABLISHED IN 09-53.9S 143-13.0E.

(210015Z NOV 2003)

- 2005/03(75). AUSTRALIA-EAST COAST.  
 1. SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE  
 BY M/V ORIENT EXPLORER TOWING THREE MILE LONG  
 CABLE IN AREA BETWEEN 39-45S 40-25E AND  
 142-20E 143-15E. WIDE BERTH REQUESTED.  
 2. CANCEL HYDROPAC 1984/03. (210045Z NOV 2003)
- 2006/03(95). SEA OF JAPAN.  
 1. DERELICT M/V FIRST ADRIFT IN 38-51N 130-50E  
 AT 210230Z NOV.  
 2. CANCEL THIS MSG 28 NOV. (210640Z NOV 2003)
- 2007/03. CANCELED.
- 2008/03(97). NORTH PACIFIC.  
 1. DERELICT 19 TON F/V RYUO MARU NO. 8 ADRIFT  
 IN 35-55N 168-17E AT 210030Z NOV.  
 2. CANCEL THIS MSG 28 NOV. (211040Z NOV 2003)
- 2009/03 thru 2011/03. CANCELED.
- 2012/03(74). AUSTRALIA-NORTHWEST COAST.  
 1. DERELICT VESSEL PARTIALLY SUBMERGED AND ADRIFT  
 IN 12-24.2S 127-39.8E AT 211345Z NOV.  
 2. CANCEL HYDROPAC 1999/03(75), AID RESTORED.  
 3. CANCEL THIS MSG 29 NOV. (220710Z NOV 2003)
- 2013/03 and 2014/03. CANCELED.
- 2015/03(96). KAMCHATKA-EAST COAST. MISSILES.  
 1. HAZARDOUS OPERATIONS 2200Z TO 0400Z COMMENCING  
 DAILY 25 AND 26 NOV IN AREA BOUND BY  
 51-24N 161-07E, 52-28N 159-26E,  
 52-40N 159-26E, 52-40N 159-46E,  
 51-37N 161-26E.  
 2. CANCEL THIS MSG 270500Z NOV. (221120Z NOV 2003)
- 2016/03(GEN).  
 1. HYDROPAC MESSAGES IN FORCE 221200Z NOV 2003. ONLY THOSE  
 MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
 2003 SERIES: 1777(63), 1781(76,83), 1782(71), 1783(74), 1785(96),  
 1791(93), 1794(62), 1799(83,76), 1801(96), 1803(74), 1809(62),  
 1811(74), 1819(61), 1820(61), 1821(83), 1829(93), 1834(73,74),  
 1837(GEN), 1842(61), 1843(61), 1857(95), 1858(94,95), 1864(61),  
 1865(95), 1866(62), 1867(94,95), 1868(94,95), 1869(95), 1872(81),  
 1887(81), 1890(81), 1892(73), 1893(73), 1903(95), 1906(19,97),  
 1910(71), 1911(62), 1914(96,97), 1928(74), 1930(81,97),  
 1936(63), 1948(96), 1949(74), 1951(63), 1952(61), 1958(74),  
 1959(76), 1960(74), 1961(GEN), 1962(63), 1964(22), 1970(61),  
 1971(72), 1973(63), 1975(73,74), 1979(81), 1980(76,83),  
 1982(GEN), 1983(57,61), 1991(73,74), 1992(63), 1993(63),  
 1996(74), 1997(74), 1998(61), 2000(63), 2001(63), 2002(63),  
 2003(63), 2004(73,74), 2005(75), 2006(95), 2007(81), 2008(97),  
 2009(63), 2010(63), 2012(74), 2013(61), 2014(61), 2015(96).  
 2. THE SUMMARY OF ALL HYDROPAC MESSAGES IN FORCE AS OF  
 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02. WARNINGS  
 ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED  
 IN NM 13/03, 26/03 AND 39/03.  
 3. CANCEL HYDROPAC 1110/03, 1968/03, 1977/03, 1981/03. (221320Z NOV 2003)
- 2017/03 thru 2020/03. CANCELED.
- 2021/03(93,94). SOUTH CHINA SEA.  
 MAN OVERBOARD FROM M/V OCEAN JUPITER IN 22-48N 119-00E  
 AT 210905Z NOV. VESSELS IN VICINITY REQUESTED  
 TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.  
 REPORTS TO MRCC HONG KONG. (221805Z NOV 2003)
- 2022/03. CANCELED.

**SECTION III****NM 50/03**

- 2023/03(GEN). NORTH PACIFIC. JAPAN.  
1. LORAN-C STATION MINAMI-TORI SHIMA. RATE 8930-X, OFF AIR  
272200Z TO 280700Z AND 282200Z TO 290800Z NOV.  
2. CANCEL HYDROPAC 2022/03(76), FALSE ALERT.  
3. CANCEL THIS MSG 290900Z NOV.  
(230855Z NOV 2003)
- 2024/03(61). INDIAN OCEAN.  
1. M/V TURICUM DISABLED AND ADRIFT VICINITY 38-14S 069-23E.  
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,  
ASSIST IF POSSIBLE. REPORTS TO MRCC LA REUNION,  
INMARSAT-C: 42279 9193, TELEX: 916140,  
PHONE: 2622 6243 4343, FAX: 2622 6271 1595.  
2. CANCEL HYDROPAC 2019/03.  
(231735Z NOV 2003)
- 2025/03(GEN). NORTH PACIFIC. RUSSIA. ALASKA.  
1. LORAN-C STATION PETROPAVLOVSK, RATE 5980-MASTER, OFF AIR.  
2. LORAN-C STATION ATTU, RATE 5980-X, UNUSABLE.  
(232250Z NOV 2003)
- 2026/03. CANCELED.
- 2027/03(75). AUSTRALIA-SOUTHEAST COAST.  
UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE  
BY BARGE SEMAC 1 IN AREA BOUND BY 38-33S 145-28E,  
38-43S 145-50E, 39-55S 145-50E, 39-55S 145-28E.  
WIDE BERTH REQUESTED.  
(240317Z NOV 2003)
- 2028/03(96). NORTH PACIFIC. KURIL ISLANDS.  
1. SURVEY OPERATIONS IN PROGRESS UNTIL 20 JAN  
BY M/V ZEPHYR I TOWING 6500 METER LONG  
CABLE IN AREA BOUND BY  
43-28N 145-57E, 43-48N 145-42E,  
44-15N 146-09E, 44-25N 146-58E,  
45-30N 149-05E, 45-00N 149-35E.  
3.5 MILE BERTH REQUESTED.  
2. CANCEL HYDROPAC 1948/03.  
3. CANCEL THIS MSG 21 JAN 04.  
(240940Z NOV 2003)
- 2029/03. CANCELED.
- 2030/03(74). AUSTRALIA-WEST COAST.  
1. SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE  
BY M/V NORDIC EXPLORER TOWING SIX TWO MILE LONG  
CABLES IN AREA BETWEEN 27-35S 28-20S AND  
113-10E 113-50E. WIDE BERTH REQUESTED.  
2. CANCEL HYDROPAC 1997/03.  
(241450Z NOV 2003)
- 2031/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.  
1. HAZARDOUS OPERATIONS 1330Z TO 1600Z DAILY 26 AND 27 NOV  
WITHIN 75 MILES OF 08-31.9N 076-52.1E.  
2. CANCEL THIS MSG 271700Z NOV.  
(241800Z NOV 2003)
- 2032/03(63). INDIA-EAST COAST. HAZARDOUS OPERATIONS.  
1. HAZARDOUS OPERATIONS 270530Z TO 270730Z NOV  
WITHIN 11 MILES OF 13-07.3N 080-18.1E.  
2. CANCEL THIS MSG 270830Z NOV.  
(241815Z NOV 2003)
- 2033/03(63). INDIA-EAST COAST. HAZARDOUS OPERATIONS.  
1. HAZARDOUS OPERATIONS 0430Z TO 1030Z DAILY  
26 THRU 28 NOV IN AREA BOUND BY  
21-25N 087-26E, 21-04N 087-08E,  
18-18N 089-34E, 18-39N 089-52E.  
2. CANCEL THIS MSG 281130Z NOV.  
(241820Z NOV 2003)
- 2034/03. CANCELED.
- 2035/03(22). CHILE. GUNNERY.  
1. GUNNERY EXERCISES 0300Z TO 2300Z DAILY  
26 THRU 28 NOV WITHIN 30 MILES OF  
32-27.0S 072-41.0W.  
2. CANCEL THIS MSG 290001Z NOV.  
(250010Z NOV 2003)

2036/03(19,97). JAPAN TO HAWAII.  
 28 FOOT S/V KENKO-MARU, WHITE HULL, ONE PERSON ON BOARD,  
 UNREPORTED JAPAN TO HAWAII. LAST KNOWN POSITION  
 34-44N 176-28E AT 17220Z NOV. VESSELS IN  
 VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,  
 ASSIST IF POSSIBLE. REPORTS TO RCC HONOLULU,  
 TELEX: 392401, PHONE: 808 541 2500, FAX: 808 541 2123.

(250215Z NOV 2003)

2037/03. CANCELED.

2038/03(GEN). NORTH PACIFIC. ROCKETS.  
 1. HAZARDOUS OPERATIONS 290300Z TO 290600Z NOV, ALTERNATE  
 0300Z TO 0600Z DAILY 30 NOV THRU 28 DEC  
 IN AREAS BOUND BY:  
 A. 30-24-03N 130-58-39E, 30-25-40N 130-58-20E,  
 30-25-40N 131-19-13E, 30-17-33N 131-34-13E,  
 30-03-12N 131-26-22E, 30-16-36N 131-01-30E,  
 30-22-16N 130-57-44E.  
 B. 29-23-00N 132-31-00E, 29-40-00N 132-40-00E,  
 29-15-00N 133-25-00E, 28-58-00N 133-15-00E.  
 C. 28-17-00N 134-02-00E, 28-58-00N 134-39-00E,  
 28-00-00N 135-00-00E, 27-41-00N 134-39-00E,  
 27-45-00N 134-31-00E.  
 D. 25-25-00N 134-26-00E, 25-19-00N 135-21-00E,  
 24-58-00N 135-57-00E, 23-08-00N 135-46-00E,  
 23-17-00N 134-14-00E.  
 E. 12-41-00N 131-08-00E, 11-59-00N 133-45-00E,  
 07-25-00N 132-31-00E, 08-06-00N 130-00-00E,  
 08-25-00N 130-00-00E.  
 2. CANCEL THIS MSG 280700Z DEC.

(250810Z NOV 2003)

2039/03(81,82). SOUTH PACIFIC.  
 1. DISTRESS SIGNAL RECEIVED ON 406 MHZ IN  
 00-05.5S 154-46.6E. VESSELS IN VICINITY  
 REQUESTED TO KEEP A SHARP LOOKOUT,  
 ASSIST IF POSSIBLE. REPORTS TO  
 U.S. COAST GUARD GUAM, PHONE: 671 339 6100.  
 2. CANCEL HYDROPAC 2037/03, SIGNAL CEASED.

(251120Z NOV 2003)

2040/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.  
 1. HAZARDOUS OPERATIONS:  
 A. 282300Z TO 290730Z, 300130Z TO 300700Z NOV  
 AND 010930Z TO 011230Z DEC IN AREA BOUND BY  
 20-12N 070-11E, 19-51N 071-50E,  
 19-12N 071-50E, 19-01N 071-04E,  
 19-22N 070-18E.  
 B. 291030Z TO 291430Z, 300130Z TO 300700Z NOV  
 AND 010330Z TO 010700Z DEC IN AREA BOUND BY  
 14-10N 073-00E, 15-26N 071-50E,  
 15-42N 071-55E, 15-10N 073-00E.  
 C. 290330Z TO 290630Z, 300130Z TO 300700Z NOV  
 AND 010930Z TO 011230Z DEC IN AREA BOUND BY  
 15-31N 069-38E, 16-13N 068-30E,  
 16-45N 069-30E, 16-10N 070-08E.  
 2. CANCEL THIS MSG 011330Z DEC.

(251340Z NOV 2003)

2041/03(63). ANDAMAN SEA. HAZARDOUS OPERATIONS.  
 1. HAZARDOUS OPERATIONS 290730Z TO 290830Z NOV IN  
 AREA BETWEEN 11-24N 11-39N AND 093-03E 092-49E.  
 2. CANCEL THIS MSG 290930Z NOV.

(251430Z NOV 2003)

2042/03 and 2043/03. CANCELED.

2044/03(75). TASMANIA-WEST COAST.  
 CHART 75180 (2ND ED).  
 CAPE SORELL LIGHT 42-12S 145-10E UNRELIABLE.

(260920Z NOV 2003)

2045/03(95). SEA OF JAPAN. ORDNANCE.  
 1. BOMBING EXERCISES 0001Z TO 1300Z DAILY 01 THRU 06,  
 08 THRU 13, 15 THRU 20, 22 THRU 24, 26, 27 AND  
 29 THRU 31 DEC IN AREA BOUND BY  
 38-08N 129-51E, 38-08N 130-10E,  
 37-39N 130-10E, 37-42N 129-51E.  
 2. CANCEL THIS MSG 311400Z DEC.

(260940Z NOV 2003)

2046/03(95). SEA OF JAPAN. ORDNANCE.

1. BOMBING EXERCISES 0001Z TO 1300Z DAILY 01 THRU 06,  
08 THRU 13, 15 THRU 20, 22 THRU 24, 26, 27 AND  
29 THRU 31 DEC IN AREA BOUND BY  
38-25N 128-45E, 38-25N 129-30E,  
38-10N 129-30E, 38-10N 129-00E  
38-17N 129-00E, 38-17N 128-45E.
2. CANCEL THIS MSG 311400Z DEC.

(260945Z NOV 2003)

2047/03(94,95). YELLOW SEA. ORDNANCE.

1. BOMBING EXERCISES 0001Z TO 1300Z DAILY 01 THRU 06,  
08 THRU 13, 15 THRU 20, 22 THRU 24, 26, 27 AND  
29 THRU 31 DEC IN AREA BETWEEN  
35-35N 36-00N AND 125-00E 125-30E.
2. CANCEL THIS MSG 311400Z DEC.

(260950Z NOV 2003)

2048/03(94,95). YELLOW SEA. ORDNANCE.

1. BOMBING EXERCISES 0001Z TO 1300Z DAILY 01 THRU 06,  
08 THRU 13, 15 THRU 20, 22 THRU 24, 26, 27 AND  
29 THRU 31 DEC IN AREA BETWEEN  
34-50N 35-15N AND 124-50E 125-42E.
2. CANCEL THIS MSG 311400Z DEC.

(261140Z NOV 2003)

2049/03(94,95). YELLOW SEA. ORDNANCE.

1. BOMBING EXERCISES 0001Z TO 1300Z DAILY 01 THRU 06,  
08 THRU 13, 15 THRU 20, 22 THRU 24, 26, 27 AND  
29 THRU 31 DEC IN AREA BETWEEN  
36-05N 36-35N AND 124-50E 125-42E.
2. CANCEL THIS MSG 311400Z DEC.

(261145Z NOV 2003)

2050/03(95). YELLOW SEA. ORDNANCE.

1. BOMBING EXERCISES 0001Z TO 1300Z DAILY 01 THRU 06,  
08 THRU 13, 15 THRU 20, 22 THRU 24, 26, 27 AND  
29 THRU 31 DEC IN AREA BOUND BY  
36-35.0N 125-36.0E, 36-35.0N 124-50.0E,  
37-06.0N 124-50.0E, 37-10.2N 125-36.0E.
2. CANCEL THIS MSG 311400Z DEC.

(261150Z NOV 2003)

### MARAD ADVISORIES

MARAD ADVISORIES rapidly disseminate information on government policy, danger and safety issues pertaining to vessel operations and other timely maritime matters. They are periodically issued by the U.S. Maritime Administration (MARAD) to vessel masters, operators, and other U.S. maritime interests.

The text of all in-force MARAD ADVISORIES may be obtained by accessing the NGA Maritime Safety Information website ([http://164.214.12.145/warn/warn\\_j\\_query.html](http://164.214.12.145/warn/warn_j_query.html)), by referring to Section I (paragraph 50) of US Notice to Mariners 1/03 for those in-force as of 19 December 2002, or by contacting the Maritime Administration Office of Ship Operations, Code MAR-613, Room 2123, 400 Seventh Street S.W., Washington DC 20590, Telephone (202) 366-5735, FAX (202) 366-3954, TLX II 710-822-9426 (MARAD DOT WSH).

MARAD ADVISORIES in force 26 November 2003: 00-7, 01-1, 01-7, 02-2, 02-5, 02-7 and 03-4.

### SPECIAL WARNINGS

SPECIAL WARNINGS, primarily intended to announce official government proclamations affecting shipping, are broadcast as needed. They are numbered consecutively and further promulgated in the Notice to Mariners.

The text of all in-force SPECIAL WARNINGS may be obtained by accessing the NGA Maritime Safety Information website ([http://164.214.12.145/warn/warn\\_j\\_query.html](http://164.214.12.145/warn/warn_j_query.html)) or by referring to Section I (paragraph 7) of US Notice to Mariners 1/03 for those in-force as of 19 December 2002 and in Notice to Mariners 14/03.

SPECIAL WARNINGS in force 26 November 2003: 1, 29, 77, 81, 82, 89, 92, 95, 107, 108, 111, 113, 114, 115, 116, 117, 118, 119, 120 and 121.



**MARINE INFORMATION****NATIONAL IMAGERY AND MAPPING AGENCY (NIMA) BECOMES THE NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY (NGA)**

The National Imagery and Mapping Agency (NIMA) officially became the National Geospatial-Intelligence Agency (NGA) effective November 24, 2003. The new name-NGA-is the latest step in an ongoing transformation effort to ensure our nation's warfighters and senior policymakers receive the best geospatial intelligence possible in support of national security.

Following the tragic events of September 11, 2001, NIMA accelerated the convergence of various analytic tradecrafts (marine analysis, aeronautical analysis, cartography, geospatial analysis, imagery analysis, geodesy) into a new intelligence discipline-geospatial intelligence, or GEOINT-that is clearly greater than the sum of its parts. GEINT provides customers a more complete visualization of geographically referenced area on the Earth.

The name NGA reflects the Agency's GEOINT support capability to its many and varied customers. From specialized three-dimensional city graphics to animated "fly-throughs", NGA leverages the power of fusion to provide our customers GEOINT products in support of the nation's defense.

NGA is both a national intelligence as well as combat support agency whose mission is to provide timely, relevant and accurate geospatial intelligence in support of our national security. Geospatial intelligence is the exploitation and analysis of imagery and geospatial information to describe, assess and visually depict physical features and geographically referenced activities on the Earth.



## MARINE INFORMATION REPORT AND SUGGESTION SHEET INSTRUCTIONS

We value your suggestions to improve our products. The Marine Information Report and Suggestion Sheet is provided for users to submit corrective information. Please be complete and accurate in your description/suggestion and include the information as detailed below:

**Observer:** name(s) of person(s) making observation and rank, rate or title.

**Ship/Organization:** name of vessel or organization.

**Address:** complete mailing address. Also include telephone number, fax, and/or e-mail address, if available, in case clarification is required.

**Date of Observation:** day, month and year at which the observation was made.

**Time of Observation:** local time at which the observation was made.

**Latitude/Longitude:** exact position of the observation expressed as accurately as possible.

**Datum:** horizontal datum to which the observed position is referred (e.g. WGS, NAD83, local foreign datum, etc.).

**Navigation System:** method used to determine the position of the observation (e.g. radar, GPS, Loran, etc.).

Include details about the equipment used, if deemed pertinent.

**Verified by Navigator:** indicate whether observation was verified by navigator.

**Product(s) Affected:** product number(s) and/or name(s) to which the observation applies (e.g. Chart 62400, Sailing Directions Pub. 127, etc.).

**Edition:** edition number and/or year of affected product.

**Latest correction applied:** the latest Notice to Mariners to which your copy of affected product has been corrected.

**Sounding sensor or method used:** equipment or method used to collect soundings. When reporting soundings, please provide an annotated echogram, if available, for verification.

**Soundings corrected for draft:** indicate whether soundings have been corrected for vessel's draft. If not, please include observed draft along with the details of information reported.

**Details of Information Reported:** use this space to provide details of the observation/suggestion. When referring to a charted feature, please describe it exactly as it appears on the chart. When referring to a publication, please indicate page number(s) and line number(s) or station number(s) as applicable. Use additional sheets as necessary and include diagrams, photocopies of the product(s) involved and/or photographs to describe observations in greater detail. If possible, include the designation, point of contact, telephone number, fax number and/or e-mail address of the local port authority to enable NGA to update our records and obtain additional or later information.

**User Feedback:** use this space to provide feedback and suggestions for improving NGA products and services.

Please detach, fold and mail the pre-addressed form and include any other relevant material or supporting information.

Reports which present an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. In general, these hazards would include major aids to navigation anomalies, discovery of obstructions or shoals with depths of less than 30 meters, floating dangers to shipping, and any situation deemed critical to safety of life at sea. For further information consult Notice to Mariners No. 1, paragraph 44 (Worldwide Navigational Warnings Service).

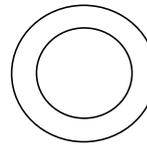
Due to the large volume of information received, NGA cannot acknowledge receipt of every report. Some reports containing useful data are filed for use in the compilation of the next edition of the affected product. Others confirm or clarify previously reported information. Echogram traces are digitized and become part of our Bathymetric Database. Acknowledgment is made by inclusion in the Observer's List of the Notice to Mariners (page ii), or in some cases by letter from the Agency involved.

For additional information about various Hydrographic Reports, consult The American Practical Navigator (Chapter 30).





**MARITIME SAFETY INFORMATION DIVISION  
ST D44  
NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY  
4600 SANGAMORE ROAD  
BETHESDA MD 20816-5003**



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**ARCTIC MARITIME SAFETY INFORMATION REPORT SHEET**

Observer \_\_\_\_\_

Ship/Organization \_\_\_\_\_

Phone \_\_\_\_\_ Email Address \_\_\_\_\_

Describe Hazard (e.g. dredge, buoy, current meter, operations): \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Depth water column is occupied (e.g. "bottom to surface", "surface to 500m"): \_\_\_\_\_

\_\_\_\_\_

Date of Insertion \_\_\_\_\_ Date of Removal \_\_\_\_\_

If observed, Date \_\_\_\_\_ Time (Local) \_\_\_\_\_

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ Datum \_\_\_\_\_

Navigation System \_\_\_\_\_ Verified by Navigator: Yes \_\_\_\_\_ No \_\_\_\_\_

Sounding sensor or method used \_\_\_\_\_

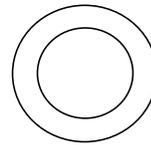
Sounding(s) corrected for draft: Yes \_\_\_\_\_ No \_\_\_\_\_

Details of Information Reported (continue on additional sheets as necessary): \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
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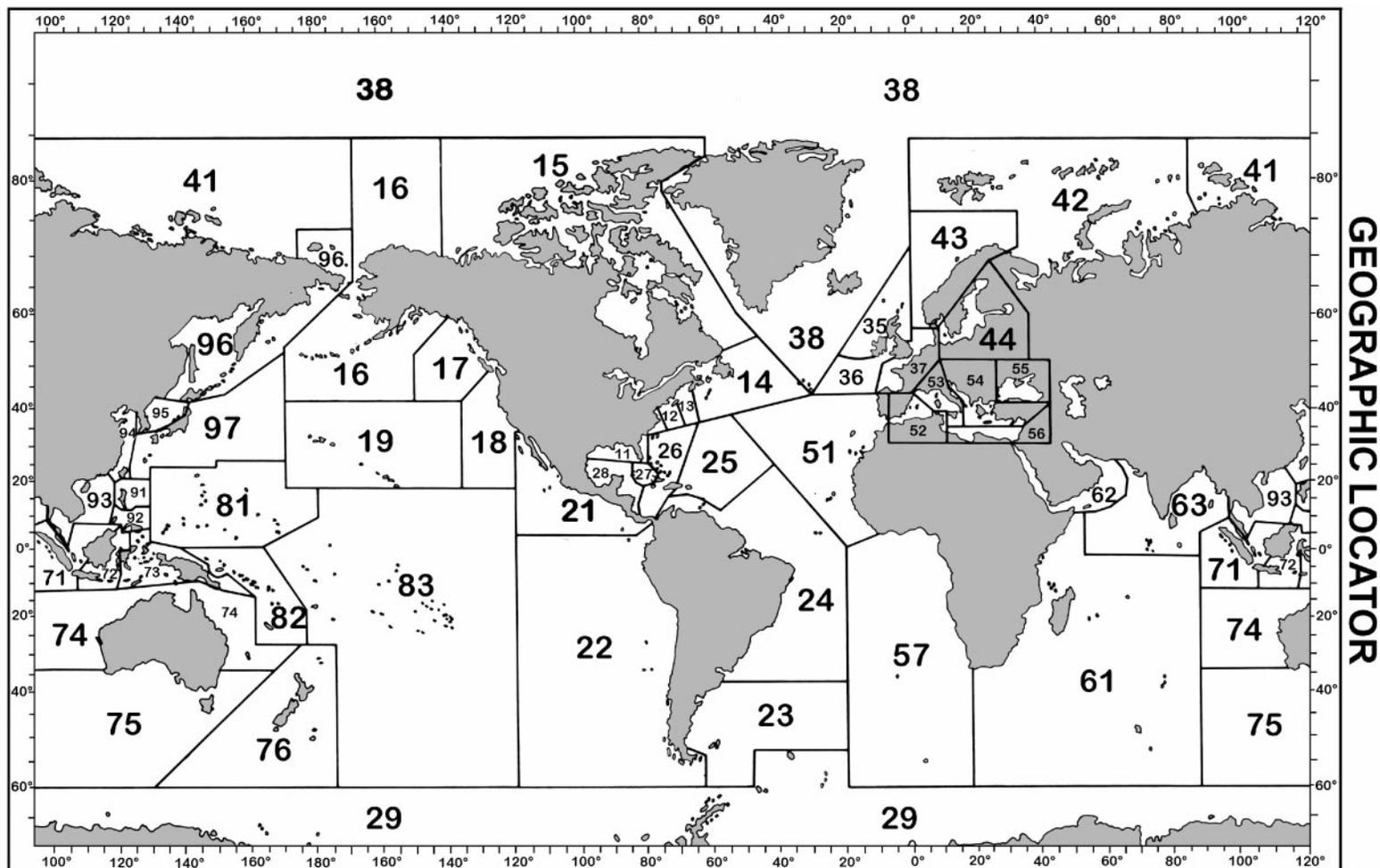


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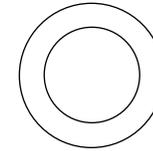
For chart numbering purposes, the world is divided into nine regions, each corresponding to the geographic limits of one of the nine regions in the NGA Catalog of Maps, Charts, and Related Products, Part 2-Hydrographic Products, Volume 1. Each Region is further subdivided into the numbered Subregions in the above graphic. The first two digits of all five-digit chart numbers indicate the geographic subregion to which the chart pertains. Users can locate corrections in this Notice for charts of their immediate interest by determining the two-digit Subregion number of the pertinent geographic area, and then turning to the page or pages that list the chart numbers beginning with those two digits.

AFTER 5 DAYS RETURN TO

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**NOTICE TO  
MARINERS**

**PLEASE EXPEDITE DELIVERY**